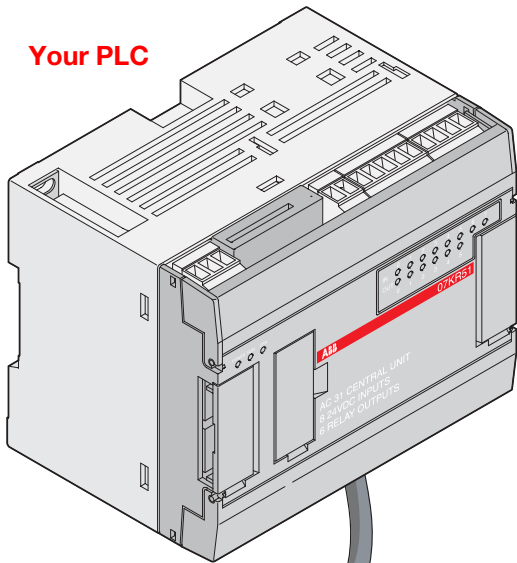


Pre-wiring system for PLC's Interfast



Interfast, PLC wiring system

Your PLC



Swing arm
prewired by ABB

Interfast, ABB Entelec's PLC wiring system, includes prewired and tested PLC plus 100's of interface assemblies to allow easier connection of your PLC to field and control equipment.

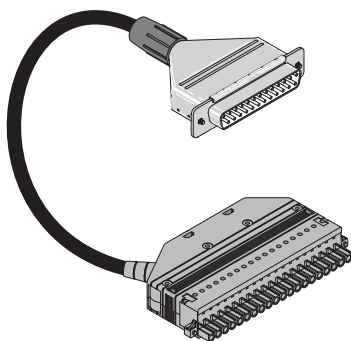
Interfast offers :

- Prewired and pretested PLC cables mate with your PLC
- Cable lengths to 5 meters and higher
- Reduce PLC wiring time from hours to minutes
- Standard terminal blocks plus relay and optocoupler interfaces
- Eliminate testing
- Customize output
- Operate in restricted space

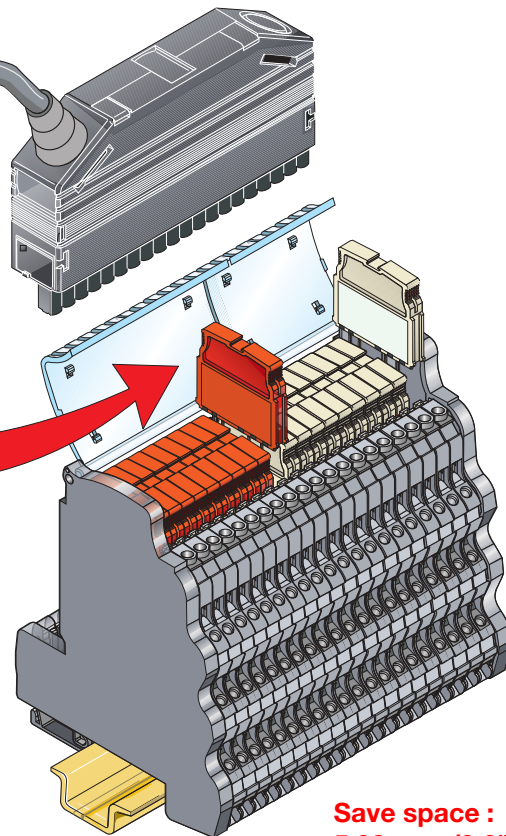
Simplify field wiring to all PLCs including :

ABB	AEG	Allen Bradley
SIEMENS	Cegelec	Omron
Télemécanique	GE Fanuc	Mitsubishi

Choose among 100s of standard interface assemblies or customize your own. Install relays, optos, fuses, switches, and other plugs.

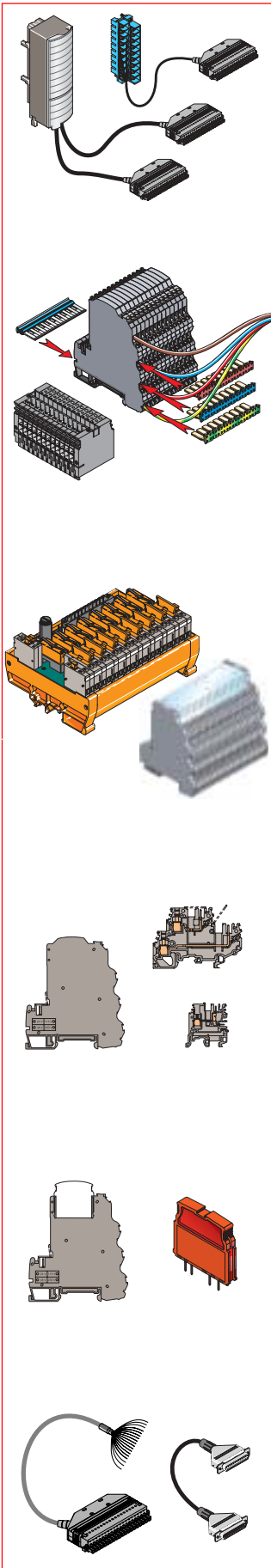


Choose our plug-to-plug cable when your PLC is equipped with a connector on the I/O card.



Save space :
5,08 mm (0.2") per PLC
point.

Interfast, PLC wiring system



Prewired and pretested PLC cable connections

Eliminate testing and reduce your PLC wiring time from hours to minute. These prewired and pretested cables easily connect PLCs to control and field equipment. Typical cables consist of a PLC swing arm or connector on one end that plugs into the customer's PLC I/O board plus a connector on the other end which plugs into an ABB Entrelec interface module.

Connection interfaces

Ready-to-go preassembled modules for interfacing your PLC to control equipment. Select 8, 16 or 32 channel modules with single to four wire circuits. Interface modules available with features to enhance your design including fuses, switches, plugs, and test points. Available with screw clamp or spring connection.

Relay and optocoupler interfaces

Interface to relay or optocoupler modules to provide circuit isolation and safety between your PLC and control or field equipment. Select from preassembled modules containing up to 16 relays or optocouplers. Screw clamp or spring connection. Pluggable and nonremovable relays, 1 SPDT, 2 SPDT, with fused output, 8, 12 and 16 relay output. Pluggable and nonremovable input and output optocouplers, 16 inputs and 16 outputs.

Interface terminal blocks, standard and Interfast MS

Select individual modular terminal blocks to create your own interface assembly. These compact blocks, only 5,08 mm spacing, provide functions including feed through, switch disconnect, and automotive type fuse up to 32 V. The Interfast MS type modular blocks, compared to the standard modular blocks, offer additional features including four wire inputs, wide choice of internal pin out connections, and the ability to accept different plug-in functions, as described below.

Universal interface for Interfast MS plugs

For total customization, select an Interfast MS modular terminal block which accepts function plugs including strap, fuse, relay, input and output optocouplers, and more.

Multipurpose connection cables

Prewired and pretested cables are terminated with selectable connector types or individual wires. Use for standard or custom connection to PLCs or other electronic equipment. Cable terminations include multiple individual wires, Omnicontact, HE 10/26, and Sub D connectors.



Main Summary

Summary

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Summary

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ABB AC31	6
ABB S800	11

A2 - INTERFAST for SIEMENS PLC's

S7 200	14
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S7 400	45

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A6 - INTERFAST for ALLEN BRADLEY PLC's

Control Logix	91
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A7 - INTERFAST for OMRON PLC's

C200H	106
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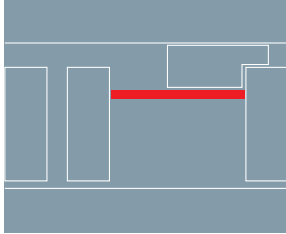
A8 - INTERFAST for MITSUBISHI PLC's

MELSEC A	115
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A9 - Connection cables

	119
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interfast 3
ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

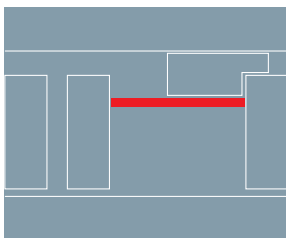
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 11 poles	2 Plugs 3 poles + 1 Plug 5 poles

interfast 3
ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

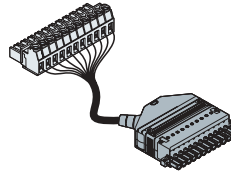
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

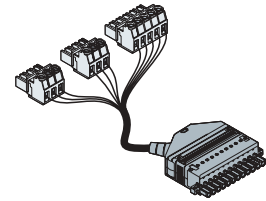
Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 11 poles	2 Plugs 3 poles + 1 Plug 5 poles

CPU Series 40



8 Inputs



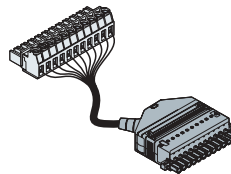
6 Outputs

⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

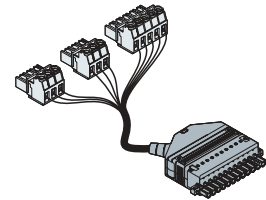
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
07CR 41 - 24 V DC		8 opto	07CR 41 - 24 V DC		
07CR 41 - 120 / 230 V			07CR 41 - 120 / 230 V		
07CT 41 - 24 V DC		8 opto	07CT 41 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
07CR 42 - 24 V DC		8 opto	07CR 42 - 24 V DC		
07CR 42 - 120 / 230 V			07CR 42 - 120 / 230 V		
07CT 42 - 24 V DC		8 opto	07CT 42 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/634	1SNA 036 911 F0000	1SNA 037 911 F0100	LA150/AC31-ABB/OMN12/633	1SNA 036 905 F1300	1SNA 037 905 F1400
2 m	LA200/AC31-ABB/OMN12/634	1SNA 036 912 F0100	1SNA 037 912 F0200	LA200/AC31-ABB/OMN12/633	1SNA 036 906 F1400	1SNA 037 906 F1500
2,5 m						
3 m	LA300/AC31-ABB/OMN12/634	1SNA 036 914 F0300	1SNA 037 914 F0400	LA300/AC31-ABB/OMN12/633	1SNA 036 908 F2600	1SNA 037 908 F2700
4 m						
5 m	LA500/AC31-ABB/OMN12/634	1SNA 036 916 F0500	1SNA 037 916 F0600	LA500/AC31-ABB/OMN12/633	1SNA 036 910 F1300	1SNA 037 910 F1400

CPU Series 50
ICMK remote box



8 Inputs



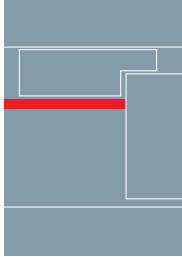
6 Outputs

⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
07KR 51 - 24 V DC		8 opto	07KR 51 - 24 V DC		
07KR 51 - 120 / 230 V			07KR 51 - 120 / 230 V		
07KT 51 - 24 V DC		8 opto	07KT 51 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
ICMK14F1 - 24 V DC		8 opto	ICMK14F1 - 24 V DC		
ICMK14F1 - 120 / 230 V			ICMK14F1 - 120 / 230 V		
ICMK14N1 - 24 V DC		8 opto	ICMK14N1 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
ICMK14F1-M - 24 V DC		8 opto	ICMK14F1-M - 24 V DC		
ICMK14F1-M - 120 / 230 V			ICMK14F1-M - 120 / 230 V		
ICMK14N1-M - 24 V DC		8 opto	ICMK14N1-M - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/634	1SNA 036 911 F0000	1SNA 037 911 F0100	LA150/AC31-ABB/OMN12/633	1SNA 036 905 F1300	1SNA 037 905 F1400
2 m	LA200/AC31-ABB/OMN12/634	1SNA 036 912 F0100	1SNA 037 912 F0200	LA200/AC31-ABB/OMN12/633	1SNA 036 906 F1400	1SNA 037 906 F1500
2,5 m						
3 m	LA300/AC31-ABB/OMN12/634	1SNA 036 914 F0300	1SNA 037 914 F0400	LA300/AC31-ABB/OMN12/633	1SNA 036 908 F2600	1SNA 037 908 F2700
4 m						
5 m	LA500/AC31-ABB/OMN12/634	1SNA 036 916 F0500	1SNA 037 916 F0600	LA500/AC31-ABB/OMN12/633	1SNA 036 910 F1300	1SNA 037 910 F1400

interfast 3
ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

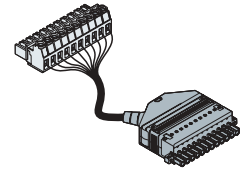
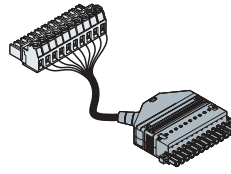
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 10 poles	1 Plug 10 poles

XI16E1 extension



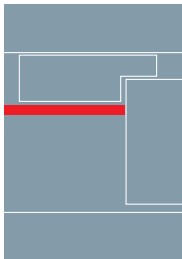
Channels 1 to 8

Channels 9 to 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XI16E1		8 opto	XI16E1		8 opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/636	1SNA 036 917 R0600	1SNA 037 917 R0700	LA150/AC31-ABB/OMN12/638	1SNA 036 929 R1200	1SNA 037 929 R1300
2 m	LA200/AC31-ABB/OMN12/636	1SNA 036 918 R1700	1SNA 037 918 R1000	LA200/AC31-ABB/OMN12/638	1SNA 036 930 R1700	1SNA 037 930 R1000
2,5 m						
3 m	LA300/AC31-ABB/OMN12/636	1SNA 036 920 R1500	1SNA 037 920 R1600	LA300/AC31-ABB/OMN12/638	1SNA 036 932 R0500	1SNA 037 932 R0600
4 m						
5 m	LA500/AC31-ABB/OMN12/636	1SNA 036 922 R0300	1SNA 037 922 R0400	LA500/AC31-ABB/OMN12/638	1SNA 036 934 R0700	1SNA 037 934 R0000

interfast 3
ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

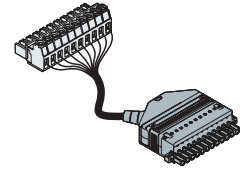
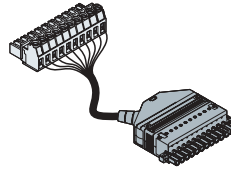
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 10 poles	1 Plug 10 poles

XO16N1 extension



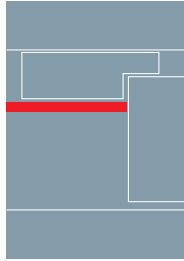
Channels 1 to 8

Channels 9 to 16

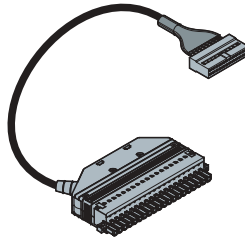
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XO16N1		8 relays N / 8 opto N	XO16N1		8 relays N / 8 opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/637	1SNA 036 923 R0400	1SNA 037 923 R0500	LA150/AC31-ABB/OMN12/638	1SNA 036 929 R1200	1SNA 037 929 R1300
2 m	LA200/AC31-ABB/OMN12/637	1SNA 036 924 R0500	1SNA 037 924 R0600	LA200/AC31-ABB/OMN12/638	1SNA 036 930 R1700	1SNA 037 930 R1000
2,5 m						
3 m	LA300/AC31-ABB/OMN12/637	1SNA 036 926 R0700	1SNA 037 926 R0000	LA300/AC31-ABB/OMN12/638	1SNA 036 932 R0500	1SNA 037 932 R0600
4 m						
5 m	LA500/AC31-ABB/OMN12/637	1SNA 036 928 R1100	1SNA 037 928 R1200	LA500/AC31-ABB/OMN12/638	1SNA 036 934 R0700	1SNA 037 934 R0000

interfast 3
ABB - AC31
PLC board with built-in
connector. HE 10/20 cable
to Omnicconnect connector.



XC 32 L1 extension
XC 32 L2 extension



⁽¹⁾ Note: 2 cables per Module

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
XC 32 L1 ⁽¹⁾		16 opto P	16 relays N 16 opto N			
XC 32 L2 ⁽¹⁾		16 opto P	16 relays N 16 opto N			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

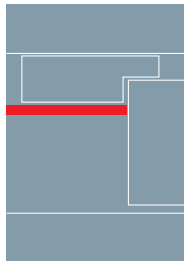
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661		1SNA 039 000 P02:00			
1,5 m	LA150/HE10-20/OMN20/661		1SNA 039 001 P27:00			
2 m	LA200/HE10-20/OMN20/661		1SNA 039 002 P20:00			
2,5 m						
3 m	LA300/HE10-20/OMN20/661		1SNA 039 004 P22:00			
4 m						
5 m	LA500/HE10-20/OMN20/661		1SNA 039 006 P24:00			

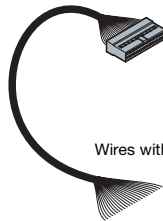
Characteristics

Type of connector	1 Omnicconnect 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

interfast 3
ABB - AC31
PLC board with built-in
connector. Cable to free
wires.



XC 32 L1 extension
XC 32 L2 extension



Wires with ferrules

HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

⁽¹⁾ Note: 2 cables per Module

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XC 32 L1 ⁽¹⁾					
XC 32 L2 ⁽¹⁾					

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

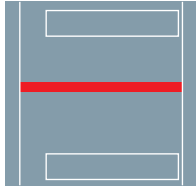
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662		1SNA 039 007 P06:00			
1,5 m	LAF150/HE10-20/UNI/662		1SNA 039 008 P25:00			
2 m	LAF200/HE10-20/UNI/662		1SNA 039 009 P06:00			
2,5 m						
3 m	LAF300/HE10-20/UNI/662		1SNA 039 011 P04:00			
4 m						
5 m	LAF500/HE10-20/UNI/662		1SNA 039 013 P22:00			

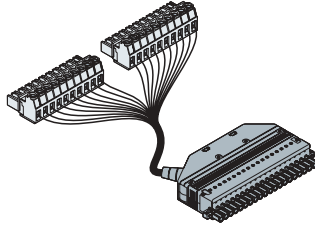
Characteristics

Type of connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

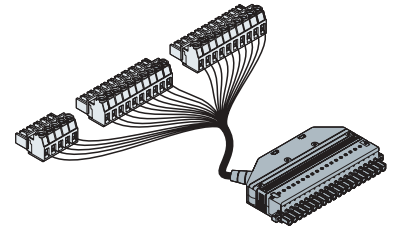
interfast 3
ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



Series 90 Module
07 DC 92



Channels 1 to 16



Channels 17 to 32

Type of board	Connector interface		Decoupling interface		Type of board	Connector interface		Decoupling interface	
	2	3	Input	Output		2	3	Input	Output
07DC92	2	3	16 opto P	16 relays N 16 opto N	07DC92	2	3	16 opto P	16 relays N 16 opto N

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN20/649	1SNA 036 935 R0000	1SNA 037 935 R0100	LA150/AC31-ABB/OMN20/650	1SNA 036 941 R1600	1SNA 037 941 R1700
2 m	LA200/AC31-ABB/OMN20/649	1SNA 036 936 R0100	1SNA 037 936 R0200	LA200/AC31-ABB/OMN20/650	1SNA 036 942 R1700	1SNA 037 942 R1800
2,5 m						
3 m	LA300/AC31-ABB/OMN20/649	1SNA 036 938 R1300	1SNA 037 938 R1400	LA300/AC31-ABB/OMN20/650	1SNA 036 944 R1100	1SNA 037 944 R1200
4 m						
5 m	LA500/AC31-ABB/OMN20/649	1SNA 036 940 R2100	1SNA 037 940 R2200	LA500/AC31-ABB/OMN20/650	1SNA 036 946 R1300	1SNA 037 946 R1400

Characteristics

Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - AWG 24	0,22mm ² - AWG 24
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	2 Plugs 10 poles	2 Plugs 10 poles + 1 Plug 5 poles

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

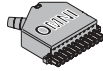
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

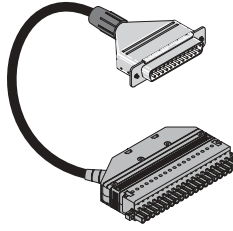
Characteristics

Type of connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

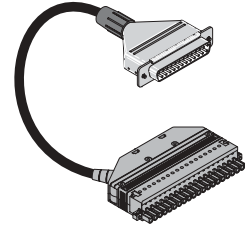
interfast 3
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



Boards 16 I DIGITAL
Boards 8 I DIGITAL



Boards 16 O DIGITAL
Boards Pulse Counter



Note : To be used with TU 812 socket

Note : To be used with TU 812 socket

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGITAL		
DI 810	2 3	16 opto P	DO 810	2 3	16 relays N /16 opto N
DI 811	2		DO 814	2	16 relays P /16 opto P
DI 814	2	16 opto N/P	Boards Pulse Counter		
DI 830	2 3	16 opto P	DP 820	2	
DI 831	2				
Boards 8 I DIGITAL					
DI 885	2				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

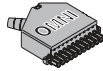
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/SUBD25F/OMN20/648	1SNA 036 898 R1400	1SNA 037 898 R1500	LA100/SUBD25F/OMN20/648	1SNA 036 898 R1400	1SNA 037 898 R1500
1,5 m	LA150/SUBD25F/OMN20/648	1SNA 036 899 R1500	1SNA 037 899 R1600	LA150/SUBD25F/OMN20/648	1SNA 036 899 R1500	1SNA 037 899 R1600
2 m	LA200/SUBD25F/OMN20/648	1SNA 036 900 R2200	1SNA 037 900 R2300	LA200/SUBD25F/OMN20/648	1SNA 036 900 R2200	1SNA 037 900 R2300
2,5 m						
3 m	LA300/SUBD25F/OMN20/648	1SNA 036 902 R1000	1SNA 037 902 R1100	LA300/SUBD25F/OMN20/648	1SNA 036 902 R1000	1SNA 037 902 R1100
4 m						
5 m	LA500/SUBD25F/OMN20/648	1SNA 036 904 R1200	1SNA 037 904 R1300	LA500/SUBD25F/OMN20/648	1SNA 036 904 R1200	1SNA 037 904 R1300

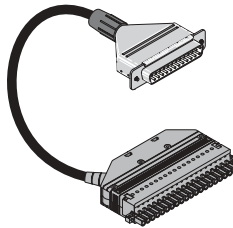
Characteristics

Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

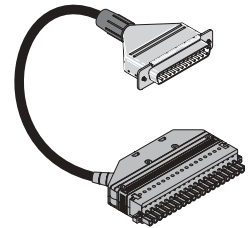
interfast 3
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



Boards 8 I ANA
Boards 8 O ANA



Boards 4 I ANA
Boards 4 O ANA



Note : To be used with TU 812 socket

Note : To be used with TU 812 socket

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
AI 810	2		AI 820	2	
AI 830	2		Boards 4 O ANA		
AI 835	2		AO 820	2	
Boards 8 O ANA					
AO 810	2				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

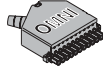
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/SUBD25F/OMN20/648	1SNA 036 898 R1400	1SNA 037 898 R1500	LA100/SUBD25F/OMN20/648	1SNA 036 898 R1400	1SNA 037 898 R1500
1,5 m	LA150/SUBD25F/OMN20/648	1SNA 036 899 R1500	1SNA 037 899 R1600	LA150/SUBD25F/OMN20/648	1SNA 036 899 R1500	1SNA 037 899 R1600
2 m	LA200/SUBD25F/OMN20/648	1SNA 036 900 R2200	1SNA 037 900 R2300	LA200/SUBD25F/OMN20/648	1SNA 036 900 R2200	1SNA 037 900 R2300
2,5 m						
3 m	LA300/SUBD25F/OMN20/648	1SNA 036 902 R1000	1SNA 037 902 R1100	LA300/SUBD25F/OMN20/648	1SNA 036 902 R1000	1SNA 037 902 R1100
4 m						
5 m	LA500/SUBD25F/OMN20/648	1SNA 036 904 R1200	1SNA 037 904 R1300	LA500/SUBD25F/OMN20/648	1SNA 036 904 R1200	1SNA 037 904 R1300

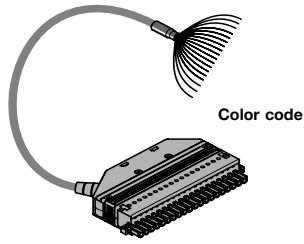
Characteristics

Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3
ABB S800 I/O board with built-in connector.
Multipurpose cable with connector to omniconnect

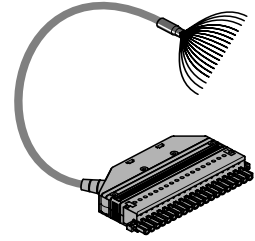


Boards 16 I DIGITAL
Boards 16 O DIGITAL



OMN 20	Color
1	White-Blue
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Brown-Blue
11	White-Red
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Brown-Red

Boards 8 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 8 I DIGITAL		
DI 801	2 3	16 opto P	DI 802	2	
Boards 16 O DIGITAL			DI 803	2	
DO 801	2 3	16 relays N / 16 opto N	DI 820	2	
			DI 821	2	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

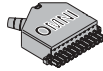
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	1SNA 038 036 R1000	1SNA 039 036 R1100	LAF100/UNI/OMN20/666	1SNA 038 036 R1000	1SNA 039 036 R1100
1,5 m	LAF150/UNI/OMN20/666	1SNA 038 037 R1100	1SNA 039 037 R1200	LAF150/UNI/OMN20/666	1SNA 038 037 R1100	1SNA 039 037 R1200
2 m	LAF200/UNI/OMN20/666	1SNA 038 038 F2200	1SNA 039 038 F2300	LAF200/UNI/OMN20/666	1SNA 038 038 F2200	1SNA 039 038 F2300
2,5 m						
3 m	LAF300/UNI/OMN20/666	1SNA 038 039 F2300	1SNA 039 039 F2400	LAF300/UNI/OMN20/666	1SNA 038 039 F2300	1SNA 039 039 F2400
4 m						
5 m	LAF500/UNI/OMN20/666	1SNA 038 040 F0000	1SNA 039 040 F0100	LAF500/UNI/OMN20/666	1SNA 038 040 F0000	1SNA 039 040 F0100

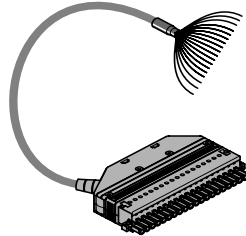
Characteristics

Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

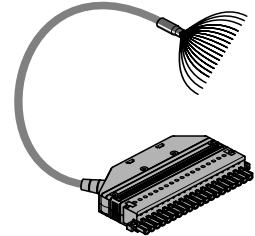
interfast 3
ABB S800 I/O board with built-in connector.
Multipurpose cable with connector to omniconnect



Boards 8 O DIGITAL



Boards 8 I ANA
Boards 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 I ANA		
DO 802	2		AI 801	2	
DO 815	2		Boards 8 O ANA		
DO 820	2		AO 801	2	
DO 821	2				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

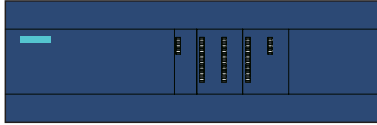
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	1SNA 038 036 R1000	1SNA 039 036 R1100	LAF100/UNI/OMN20/666	1SNA 038 036 R1000	1SNA 039 036 R1100
1,5 m	LAF150/UNI/OMN20/666	1SNA 038 037 R1100	1SNA 039 037 R1200	LAF150/UNI/OMN20/666	1SNA 038 037 R1100	1SNA 039 037 R1200
2 m	LAF200/UNI/OMN20/666	1SNA 038 038 F2200	1SNA 039 038 F2300	LAF200/UNI/OMN20/666	1SNA 038 038 F2200	1SNA 039 038 F2300
2,5 m						
3 m	LAF300/UNI/OMN20/666	1SNA 038 039 F2300	1SNA 039 039 F2400	LAF300/UNI/OMN20/666	1SNA 038 039 F2300	1SNA 039 039 F2400
4 m						
5 m	LAF500/UNI/OMN20/666	1SNA 038 040 F0000	1SNA 039 040 F0100	LAF500/UNI/OMN20/666	1SNA 038 040 F0000	1SNA 039 040 F0100

Characteristics

Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

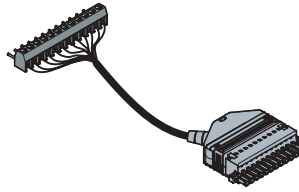
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0

CPU 221 CC
CPU 222 CC
INPUT



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I DIGITAL					
6ES7211-0AA22-0XB0	0				
6ES7212-1AB22-0XB0	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/350	1SNA 029 218 R0200	1SNA 034 218 R2700			
2 m	LA200/CPU212/OMN12/350	1SNA 029 219 F0300	1SNA 034 219 F2000			
2,5 m						
3 m	LA300/CPU212/OMN12/350	1SNA 029 221 F2500	1SNA 034 221 R1200			
4 m						
5 m	LA500/CPU212/OMN12/350	1SNA 029 223 F2700	1SNA 034 223 R1400			

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

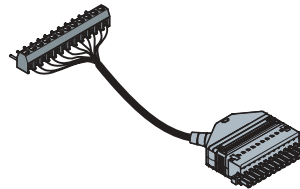
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0

CPU 221 CC
CPU 222 CC
OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

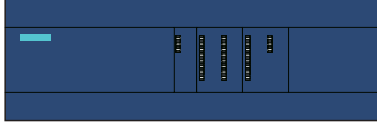
The ground terminal is not connected to our interface.
 The output supply is connected to the CPU supply.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6O DIGITAL			Boards 6O DIGITAL		
6ES7211-0AA22-0XB0	0		6ES7211-0AA22-0XB0	0	8 Relays N / 8 Opto N
6ES7212-1AB22-0XB0	0		6ES7212-1AB22-0XB0	0	8 Relays N / 8 Opto N

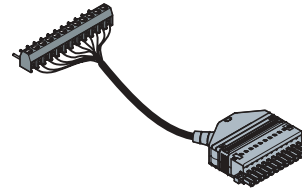
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/351	1SNA 029 224 F2000	1SNA 034 224 R1500	LA150/CPU212/OMN12/352	1SNA 029 230 F0200	1SNA 034 230 F2700
2 m	LA200/CPU212/OMN12/351	1SNA 029 225 F2100	1SNA 034 225 R1600	LA200/CPU212/OMN12/352	1SNA 029 231 F2700	1SNA 034 231 R1400
2,5 m						
3 m	LA300/CPU212/OMN12/351	1SNA 029 227 F2300	1SNA 034 227 R1000	LA300/CPU212/OMN12/352	1SNA 029 233 F2100	1SNA 034 233 R1600
4 m						
5 m	LA500/CPU212/OMN12/351	1SNA 029 229 F0500	1SNA 034 229 F2200	LA500/CPU212/OMN12/352	1SNA 029 235 F2300	1SNA 034 235 R1000

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 221 Relays
CPU 222 Relays



INPUT CHANNEL

OUTPUT CHANNEL

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6I DIGITAL			Boards 4O DIGITAL		
6ES7211-0BA22-0XB0	0		6ES7211-0BA22-0XB0	0	
Boards 8I DIGITAL			Boards 6O DIGITAL		
6ES7212-1BB22-0XB0	0		6ES7212-1BB20-0XB0	0	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

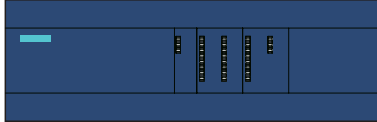
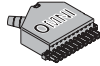
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/350	1SNA 029 218 R0200	1SNA 034 218 R2700	LA150/CPU212/OMN12/353	1SNA 029 236 R2400	1SNA 034 236 R1100
2 m	LA200/CPU212/OMN12/350	1SNA 029 219 R0300	1SNA 034 219 R2000	LA200/CPU212/OMN12/353	1SNA 029 237 R2500	1SNA 034 237 R1200
2,5 m						
3 m	LA300/CPU212/OMN12/350	1SNA 029 221 R2500	1SNA 034 221 R1200	LA300/CPU212/OMN12/353	1SNA 029 239 R0700	1SNA 034 239 R2400
4 m						
5 m	LA500/CPU212/OMN12/350	1SNA 029 223 R2700	1SNA 034 223 R1400	LA500/CPU212/OMN12/353	1SNA 029 241 R0100	1SNA 034 241 R2600

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional :
 Consult us

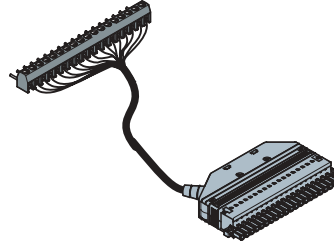
■ Accessories :
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC
INPUT



WITH CONNECTOR INTERFACE

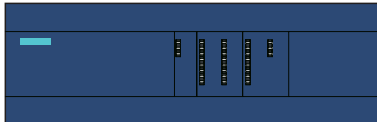
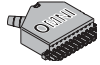
WITH DECOUPLING INTERFACE

The output supply for the sensor is not connected to our interfaces.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 14 I DIGITAL			Boards 14 I DIGITAL		
6ES7214-1AD22-0XB0	2		6ES7214-1AD22-0XB0	2 3	16 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/356	1SNA 029 254 R0600	1SNA 034 254 R2300	LA150/S7200/OMN20/276	1SNA 026 792 R1700	1SNA 028 792 R2100
2 m	LA200/CPU214/OMN20/356	1SNA 029 255 R0700	1SNA 034 255 R2400	LA200/S7200/OMN20/276	1SNA 026 793 R1000	1SNA 028 793 R2200
2,5 m						
3 m	LA300/CPU214/OMN20/356	1SNA 029 257 R0100	1SNA 034 257 R2600	LA300/S7200/OMN20/276	1SNA 026 795 R1200	1SNA 028 795 R2400
4 m						
5 m	LA500/CPU214/OMN20/356	1SNA 029 259 R1300	1SNA 034 259 R0000	LA500/S7200/OMN20/276	1SNA 026 797 R1400	1SNA 028 797 R2600

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional :
 Consult us

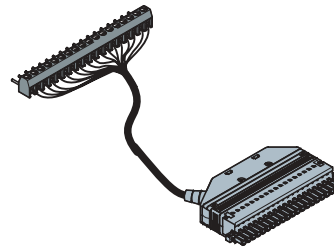
■ Accessories :
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC
OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

The ground terminal is not connected to our interfaces.
 The output supply is connected to the CPU supply.

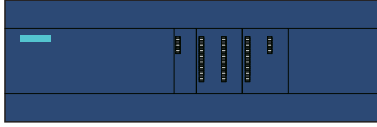
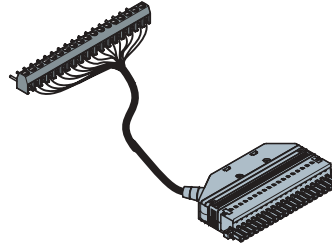
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 10 O DIGITAL			Boards 10 O DIGITAL		
6ES7214-1AD22-0XB0	2		6ES7214-1AD22-0XB0	2 3	12 Relays N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/357	1SNA 029 260 R1000	1SNA 034 260 R0500	LA150/CPU214/OMN20/358	1SNA 029 266 R0200	1SNA 034 266 R2700
2 m	LA200/CPU214/OMN20/357	1SNA 029 261 R0500	1SNA 034 261 R2200	LA200/CPU214/OMN20/358	1SNA 029 267 R0300	1SNA 034 267 R2000
2,5 m						
3 m	LA300/CPU214/OMN20/357	1SNA 029 263 R0700	1SNA 034 263 R2400	LA300/CPU214/OMN20/358	1SNA 029 269 R1500	1SNA 034 269 R0200
4 m						
5 m	LA500/CPU214/OMN20/357	1SNA 029 265 R0100	1SNA 034 265 R2600	LA500/CPU214/OMN20/358	1SNA 029 271 R0700	1SNA 034 271 R2400

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 224 Relays



INPUT CHANNEL

OUTPUT CHANNEL

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 14I DIGITAL			Boards 100 DIGIT.		
6ES7214-1BD22-0XB0	2		6ES7214-1BD22-0XB0	2	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

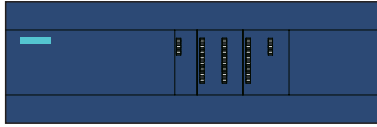
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/356	1SNA 029 254 R0600	1SNA 034 254 R2300	LA150/CPU214/OMN20/359	1SNA 029 272 R0000	1SNA 034 272 R2500
2 m	LA200/CPU214/OMN20/356	1SNA 029 255 R0700	1SNA 034 255 R2400	LA200/CPU214/OMN20/359	1SNA 029 273 R0100	1SNA 034 273 R2600
2,5 m						
3 m	LA300/CPU214/OMN20/356	1SNA 029 257 R0100	1SNA 034 257 R2600	LA300/CPU214/OMN20/359	1SNA 029 275 R0300	1SNA 034 275 R2000
4 m						
5 m	LA500/CPU214/OMN20/356	1SNA 029 259 R1300	1SNA 034 259 R0000	LA500/CPU214/OMN20/359	1SNA 029 277 R0500	1SNA 034 277 R2200

Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

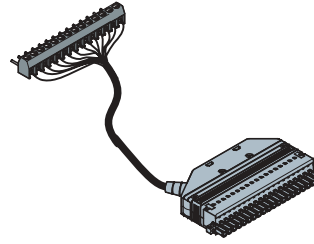
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2CA00-0XA0	6ES7290-2CA00-0XA0

CPU 226 CC
INPUT



CHANNELS 1 TO 13

CHANNELS 14 TO 24

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 24 I DIGITAL		
6ES7216-2AD22-0XB0	2		6ES7216-2AD22-0XB0	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/OMN20/365	1SNA 029 308 R1500	1SNA 034 308 R0200	LA150/CPU216/OMN20/366	1SNA 029 314 R2200	1SNA 034 314 R1700
2 m	LA200/CPU216/OMN20/365	1SNA 029 309 R1600	1SNA 034 309 R0300	LA200/CPU216/OMN20/366	1SNA 029 315 R2300	1SNA 034 315 R1000
2,5 m						
3 m	LA300/CPU216/OMN20/365	1SNA 029 311 R2700	1SNA 034 311 R1400	LA300/CPU216/OMN20/366	1SNA 029 317 R2500	1SNA 034 317 R1200
4 m						
5 m	LA500/CPU216/OMN20/365	1SNA 029 313 R2100	1SNA 034 313 R1600	LA500/CPU216/OMN20/366	1SNA 029 319 R0700	1SNA 034 319 R2400

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

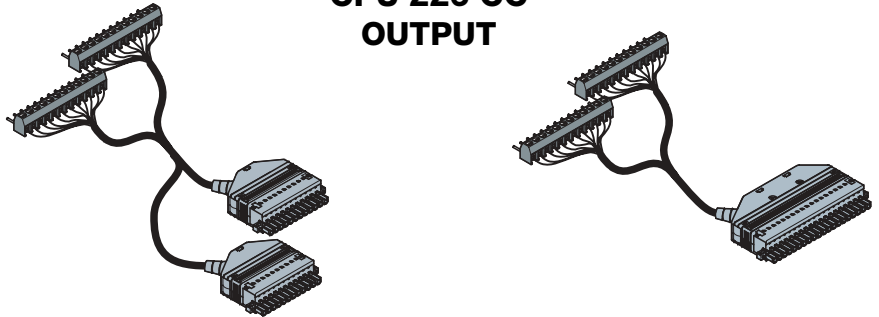
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	2 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	2 x 6ES7290-2AA00-0XA0	2 x 6ES7290-2AA00-0XA0

CPU 226 CC
OUTPUT



WITH CONNECTOR INTERFACE

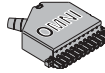
WITH DECOUPLING INTERFACE

The ground terminal is not connected to our interface.
 The output supply is connected to the CPU supply.

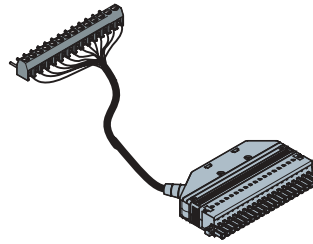
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7216-2AD22-0XB0	0 1 4 5		6ES7216-2AD22-0XB0	2 3	16 Relays N / 16 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/2xOMN12/367	1SNA 029 320 R0400	1SNA 034 320 R2100	LA150/CPU216/OMN20/368	1SNA 029 326 R2600	1SNA 034 326 R1300
2 m	LA200/CPU216/2xOMN12/367	1SNA 029 321 R2100	1SNA 034 321 R1600	LA200/CPU216/OMN20/368	1SNA 029 327 R2700	1SNA 034 327 R1400
2,5 m						
3 m	LA300/CPU216/2xOMN12/367	1SNA 029 323 R2300	1SNA 034 323 R1000	LA300/CPU216/OMN20/368	1SNA 029 329 R0100	1SNA 034 329 R2600
4 m						
5 m	LA500/CPU216/2xOMN12/367	1SNA 029 325 R2500	1SNA 034 325 R1200	LA500/CPU216/OMN20/368	1SNA 029 331 R2300	1SNA 034 331 R1000

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 226 Relays
INPUTS



CHANNELS 1 TO 13

CHANNELS 14 TO 24

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 24 I DIGITAL		
6ES7216-2BD22-0XB0	2		6ES7216-2BD22-0XB0	2	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

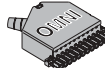
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/OMN20/365	1SNA 029 308 R1500	1SNA 034 308 R0200	LA150/CPU216/OMN20/366	1SNA 029 314 R2200	1SNA 034 314 R1700
2 m	LA200/CPU216/OMN20/365	1SNA 029 309 R1600	1SNA 034 309 R0300	LA200/CPU216/OMN20/366	1SNA 029 315 R2300	1SNA 034 315 R1000
2,5 m						
3 m	LA300/CPU216/OMN20/365	1SNA 029 311 R2700	1SNA 034 311 R1400	LA300/CPU216/OMN20/366	1SNA 029 317 R2500	1SNA 034 317 R1200
4 m						
5 m	LA500/CPU216/OMN20/365	1SNA 029 313 R2100	1SNA 034 313 R1600	LA500/CPU216/OMN20/366	1SNA 029 319 R0700	1SNA 034 319 R2400

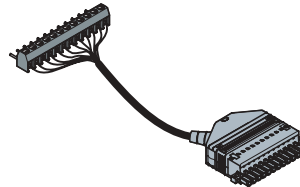
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2CA00-0XA0	6ES7290-2CA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 226 Relays
OUTPUTS



CHANNELS 1 TO 9

CHANNELS 10 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7216-2BD22-0XB0	0		6ES7216-2BD22-0XB0	0	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

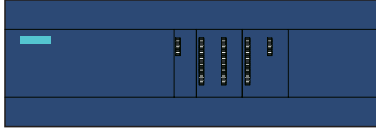
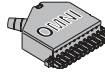
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/369	1SNA 029 332 R2400	1SNA 034 332 R1100	LA150/CPU216/OMN12/370	1SNA 029 338 R0200	1SNA 034 338 R2700
2 m	LA200/S7200/OMN12/369	1SNA 029 333 R2500	1SNA 034 333 R1200	LA200/CPU216/OMN12/370	1SNA 029 339 R0300	1SNA 034 339 R2000
2,5 m						
3 m	LA300/S7200/OMN12/369	1SNA 029 335 R2700	1SNA 034 335 R1400	LA300/CPU216/OMN12/370	1SNA 029 341 R0500	1SNA 034 341 R2200
4 m						
5 m	LA500/S7200/OMN12/369	1SNA 029 337 R2100	1SNA 034 337 R1600	LA500/CPU216/OMN12/370	1SNA 029 343 R0700	1SNA 034 343 R2400

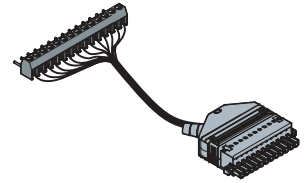
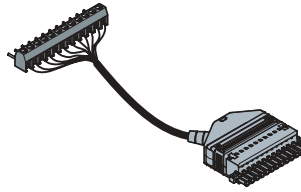
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



16 I / 16 O DIGITAL Modules
INPUTS



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7223-1PL20-0XA0		8 Opto	6ES7223-1PL20-0XA0		8 Opto
6ES7223-1BL20-0XA0		8 Opto	6ES7223-1BL20-0XA0		8 Opto

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/587	1SNA 036 162 R1100	1SNA 037 162 R1200	LA150/S7200/OMN12/587	1SNA 036 162 R1100	1SNA 037 162 R1200
2 m	LA200/S7200/OMN12/587	1SNA 036 163 R1200	1SNA 037 163 R1300	LA200/S7200/OMN12/587	1SNA 036 163 R1200	1SNA 037 163 R1300
2,5 m						
3 m	LA300/S7200/OMN12/587	1SNA 036 165 R1400	1SNA 037 165 R1500	LA300/S7200/OMN12/587	1SNA 036 165 R1400	1SNA 037 165 R1500
4 m						
5 m	LA500/S7200/OMN12/587	1SNA 036 167 R1600	1SNA 037 167 R1700	LA500/S7200/OMN12/587	1SNA 036 167 R1600	1SNA 037 167 R1700

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

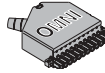
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

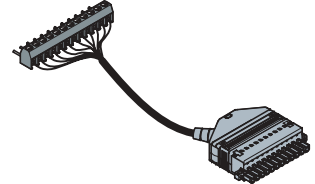
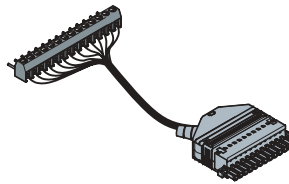
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



16 I / 16 O DIGITAL Modules
OUTPUTS WITH CONNECTOR INTERFACE
COMMON BY GROUP OF 4



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1BL20-0XA0	0		6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

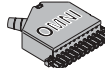
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	1SNA 026 720 R2200	1SNA 028 720 R0400	LA150/S7200/OMN12/588	1SNA 036 330 R2500	1SNA 037 330 R2600
2 m	LA200/S7200/OMN12/264	1SNA 026 721 R1700	1SNA 028 721 R2100	LA200/S7200/OMN12/588	1SNA 036 331 R1200	1SNA 037 331 R1300
2,5 m						
3 m	LA300/S7200/OMN12/264	1SNA 026 723 R1100	1SNA 028 723 R2300	LA300/S7200/OMN12/588	1SNA 036 333 R1400	1SNA 037 333 R1500
4 m						
5 m	LA500/S7200/OMN12/264	1SNA 026 725 R1300	1SNA 028 725 R2500	LA500/S7200/OMN12/588	1SNA 036 335 R1600	1SNA 037 335 R1700

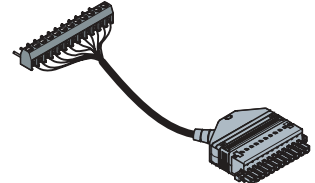
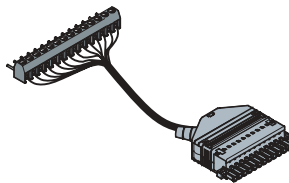
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



16 I / 16 O DIGITAL Modules
OUTPUTS WITH DECOUPLING INTERFACE
COMMON BY GROUP OF 8



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N	6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

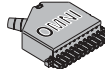
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/265	1SNA 026 726 R1400	1SNA 028 726 R2600	LA150/S7200/OMN12/588	1SNA 036 330 R2500	1SNA 037 330 R2600
2 m	LA200/S7200/OMN12/265	1SNA 026 727 R1500	1SNA 028 727 R2700	LA200/S7200/OMN12/588	1SNA 036 331 R1200	1SNA 037 331 R1300
2,5 m						
3 m	LA300/S7200/OMN12/265	1SNA 026 729 R2700	1SNA 028 729 R0100	LA300/S7200/OMN12/588	1SNA 036 333 R1400	1SNA 037 333 R1500
4 m						
5 m	LA500/S7200/OMN12/265	1SNA 026 731 R1100	1SNA 028 731 R2300	LA500/S7200/OMN12/588	1SNA 036 335 R1600	1SNA 037 335 R1700

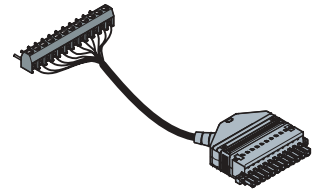
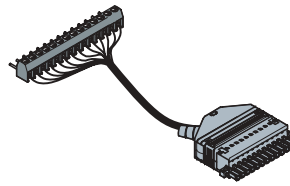
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



16 I / 16 O DIGITAL Modules
OUTPUTS WITH CONNECTOR INTERFACE
COMMON BY GROUP OF 4



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1PL20-0XA0			6ES7223-1PL20-0XA0		

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

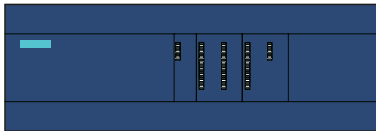
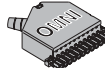
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	1SNA 026 720 P2200	1SNA 028 720 P0400	LA150/S7200/OMN12/264	1SNA 026 720 P2200	1SNA 028 720 P0400
2 m	LA200/S7200/OMN12/264	1SNA 026 721 R1700	1SNA 028 721 P2100	LA200/S7200/OMN12/264	1SNA 026 721 R1700	1SNA 028 721 P2100
2,5 m						
3 m	LA300/S7200/OMN12/264	1SNA 026 723 R1100	1SNA 028 723 P2300	LA300/S7200/OMN12/264	1SNA 026 723 R1100	1SNA 028 723 P2300
4 m						
5 m	LA500/S7200/OMN12/264	1SNA 026 725 R1300	1SNA 028 725 P2500	LA500/S7200/OMN12/264	1SNA 026 725 R1300	1SNA 028 725 P2500

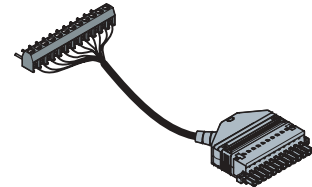
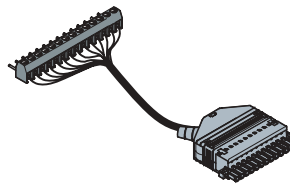
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



16 I / 16 O DIGITAL Modules
OUTPUTS WITH DECOUPLING INTERFACE
COMMON BY GROUP OF 8



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1PL20-0XA0		8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	6ES7223-1PL20-0XA0		8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾

⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

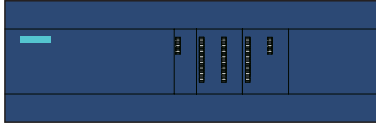
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/265	1SNA 026 726 R1400	1SNA 028 726 P2600	LA150/S7200/OMN12/265	1SNA 026 726 R1400	1SNA 028 726 P2600
2 m	LA200/S7200/OMN12/265	1SNA 026 727 R1500	1SNA 028 727 P2700	LA200/S7200/OMN12/265	1SNA 026 727 R1500	1SNA 028 727 P2700
2,5 m						
3 m	LA300/S7200/OMN12/265	1SNA 026 729 P2700	1SNA 028 729 P0100	LA300/S7200/OMN12/265	1SNA 026 729 P2700	1SNA 028 729 P0100
4 m						
5 m	LA500/S7200/OMN12/265	1SNA 026 731 R1100	1SNA 028 731 P2300	LA500/S7200/OMN12/265	1SNA 026 731 R1100	1SNA 028 731 P2300

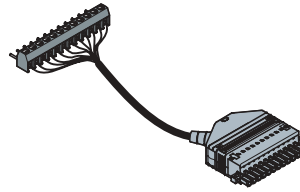
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



8 I / 8 O DIGITAL Modules
INPUTS



COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
6ES7223-1BH20-0XA0	0		6ES7223-1BH20-0XA0	0	8 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/256	1SNA 026 678 R0400	1SNA 028 678 R1600	LA150/S7200/OMN12/257	1SNA 026 684 R1300	1SNA 028 684 R2500
2 m	LA200/S7200/OMN12/256	1SNA 026 679 R0500	1SNA 028 679 R1700	LA200/S7200/OMN12/257	1SNA 026 685 R1400	1SNA 028 685 R2600
2,5 m						
3 m	LA300/S7200/OMN12/256	1SNA 026 681 R1000	1SNA 028 681 R2200	LA300/S7200/OMN12/257	1SNA 026 687 R1600	1SNA 028 687 R2000
4 m						
5 m	LA500/S7200/OMN12/256	1SNA 026 683 R1200	1SNA 028 683 R2400	LA500/S7200/OMN12/257	1SNA 026 689 R2000	1SNA 028 689 R0200

■ Wire markers optional:
 Consult us

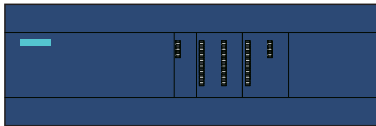
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

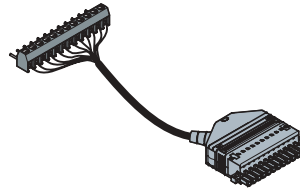
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



8 I / 8 O DIGITAL Modules
OUTPUTS



COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
6ES7223-1BH20-0XA0	0		6ES7223-1BH20-0XA0	0	8 Relays N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	1SNA 026 720 R2200	1SNA 028 720 R0400	LA150/S7200/OMN12/265	1SNA 026 726 R1400	1SNA 028 726 R2600
2 m	LA200/S7200/OMN12/264	1SNA 026 721 R1700	1SNA 028 721 R2100	LA200/S7200/OMN12/265	1SNA 026 727 R1500	1SNA 028 727 R2700
2,5 m						
3 m	LA300/S7200/OMN12/264	1SNA 026 723 R1100	1SNA 028 723 R2300	LA300/S7200/OMN12/265	1SNA 026 729 R2700	1SNA 028 729 R0100
4 m						
5 m	LA500/S7200/OMN12/264	1SNA 026 725 R1300	1SNA 028 725 R2500	LA500/S7200/OMN12/265	1SNA 026 731 R1100	1SNA 028 731 R2300

■ Wire markers optional:
 Consult us

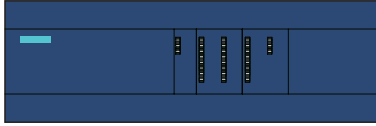
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

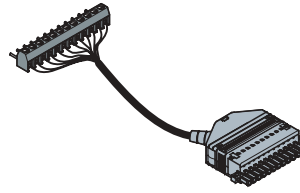
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

8 I / 8 O DIGITAL Modules
INPUTS



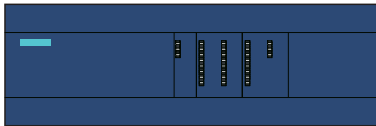
COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
6ES7223-1PH20-0XA0	0 ■		6ES7223-1PH20-0XA0	0 ■ 1 ■	8 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/256	1SNA 026 678 F0400	1SNA 028 678 R1600	LA150/S7200/OMN12/257	1SNA 026 684 R1300	1SNA 028 684 R2500
2 m	LA200/S7200/OMN12/256	1SNA 026 679 F0500	1SNA 028 679 R1700	LA200/S7200/OMN12/257	1SNA 026 685 R1400	1SNA 028 685 R2600
2,5 m						
3 m	LA300/S7200/OMN12/256	1SNA 026 681 R1000	1SNA 028 681 R2200	LA300/S7200/OMN12/257	1SNA 026 687 R1600	1SNA 028 687 R2000
4 m						
5 m	LA500/S7200/OMN12/256	1SNA 026 683 R1200	1SNA 028 683 R2400	LA500/S7200/OMN12/257	1SNA 026 689 R2000	1SNA 028 689 R0200

interfast 3
Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

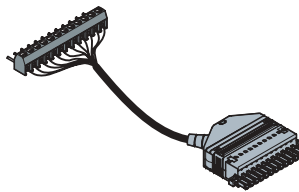
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

8 I / 8 O DIGITAL Modules
OUTPUTS



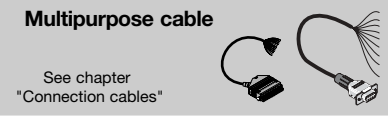
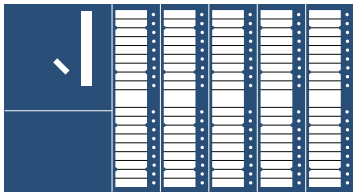
COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL					
6ES7223-1PH20-0XA0	0 ■				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/268	1SNA 026 744 F2600	1SNA 028 744 F0000			
2 m	LA200/S7200/OMN12/268	1SNA 026 745 F2700	1SNA 028 745 F0100			
2,5 m						
3 m	LA300/S7200/OMN12/268	1SNA 026 747 F2100	1SNA 028 747 F0300			
4 m						
5 m	LA500/S7200/OMN12/268	1SNA 026 749 F0300	1SNA 028 749 R1500			

CONNECTION TECHNOLOGY SELECTION GUIDE

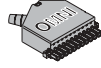
SIEMENS S7 300



interfast 2

Swing arm pre-wired by ENTRELEC

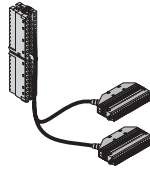
HDI High density range



STI standard range



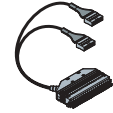
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



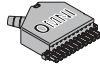
Modulo 16



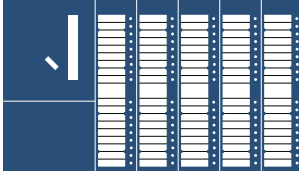
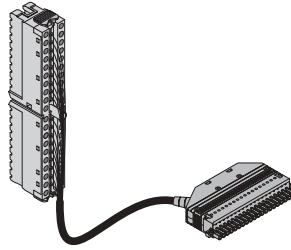
Modulo 8

References	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
CPU 312 C		Page 28				
CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP		Page 28 / 29			Page 41	Page 43
CPU 314 C - 2 PTP / 314 C - 2 DP		Page 28 / 29			Page 41	Page 43
Boards 32 I DIGITAL						
6ES7321-1BL00-0AA0		Page 30			Page 41	Page 43
6ES7321-1BL80-0AA0		Page 30			Page 41	Page 43
6ES7321-1EL00-0AA0		Page 30				
Boards 32 O DIGITAL						
6ES7322-1BL00-0AA0		Page 30			Page 41	Page 43
6ES7322-1EL00-0AA0		Page 30				
Boards 16 I / 16 O DIGITAL						
6ES7323-1BL00-0AA0		Page 30			Page 41	Page 43
Boards 16 I DIGITAL						
6ES7321-1BH02-0AA0		Page 31			Page 41	Page 43
6ES7321-1BH81-0AA0		Page 31			Page 41	Page 43
6ES7321-1EH01-0AA0		Page 31				
6ES7321-7BH01-0AB0		Page 31			Page 41	Page 43
6ES7321-7BH80-0AB0		Page 31			Page 41	Page 43
6ES7321-1BH50-0AA0		Page 31			Page 41	Page 43
6ES7321-1CH80-0AA0		Page 30			Page 41	Page 43
6ES7321-1FH00-0AA0		Page 30				
Boards 16 O DIGITAL						
6ES7322-1BH01-0AA0		Page 31			Page 42	Page 44
6ES7322-1BH81-0AA0		Page 31			Page 42	Page 44
6ES7322-1EH01-0AA0		Page 31				
6ES7322-1HH01-0AA0		Page 31				
6ES7322-8BH00-0AB0		Page 31			Page 42	Page 44
6ES7322-1FH00-0AA0		Page 30				
Boards 8 I / 8 O DIGITAL						
6ES7323-1BH01-0AA0		Page 32			Page 42	Page 44
6ES7323-1BH81-0AA0		Page 32			Page 42	Page 44
Boards 8 I DIGITAL						
6ES7321-1FF01-0AA0		Page 32				
6ES7321-1FF81-0AA0		Page 32				
Boards 8 O DIGITAL						
6ES7322-1BF01-0AA0		Page 33				Page 44
6ES7322-1FF01-0AA0		Page 32				
6ES7322-1FF81-0AA0		Page 32				
6ES7322-1HF01-0AA0		Page 33				
6ES7322-1HF10-0AA0		Page 33				
6ES7322-1HF80-0AA0		Page 33				
6ES7322-8BF00-0AB0		Page 33			Page 42	Page 44
6ES7322-1HF20-0AA0		Page 30				
6ES7322-5HF00-0AB0		Page 33				
6ES7322-8BF80-0AB0		Page 33			Page 42	Page 44
6ES7322-1CF80-0AA0		Page 32 / 33				
Boards 4 I DIGITAL						
6ES7321-7RD00-0AB0		Page 37				
Boards 4 O DIGITAL						
6ES7322-5SD00-0AB0		Page 37				
6ES7322-5RD00-0AB0		Page 37				

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 312 C



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 10 I DIGIT./ 6 O DIGIT.					
6ES7312-5BD00-0AB0	2 3				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

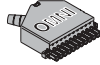
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/OMN20/643	1SNA 036 874 R1300	1SNA 037 874 R1400			
2 m	FA200/S7 300/OMN20/643	1SNA 036 875 R1400	1SNA 037 875 R1500			
2,5 m						
3 m	FA300/S7 300/OMN20/643	1SNA 036 877 R1600	1SNA 037 877 R1700			
4 m						
5 m	FA500/S7 300/OMN20/643	1SNA 036 879 R2000	1SNA 037 879 R2100			

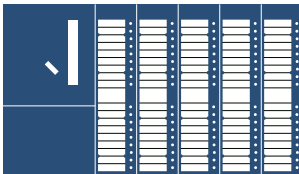
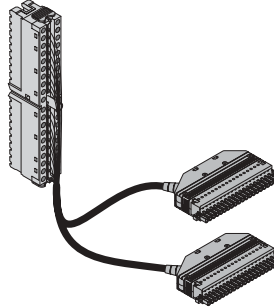
Characteristics

Type of interface connector	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP
CPU 314 C - 2 PTP / 314 C - 2 DP
X2 connector (16 I DIGIT./ 16 O DIGIT.)



Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 16 I DIGIT./ 16 O DIGIT.							
6ES7313-5BE00-0AB0	2 3 6 7						
6ES7313-6BE00-0AB0	2 3 6 7						
6ES7313-6CE00-0AB0	2 3 6 7	16 Opto P	16 Relays N				
6ES7314-6BF00-0AB0	2 3 6 7		16 Opto N				
6ES7314-6CF00-0AB0	2 3 6 7						

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

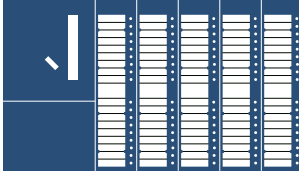
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/2xOMN20/228	1SNA 026 516 R0200	1SNA 028 516 R1400			
2 m	FA200/S7 300/2xOMN20/228	1SNA 026 517 R0300	1SNA 028 517 R1500			
2,5 m						
3 m	FA300/S7 300/2xOMN20/228	1SNA 026 519 R1500	1SNA 028 519 R2700			
4 m						
5 m	FA500/S7 300/2xOMN20/228	1SNA 026 521 R0700	1SNA 028 521 R1100			

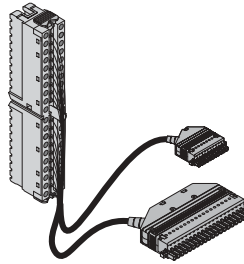
Characteristics

Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C
CPU 314 C - 2 PTP / 314 C - 2 DP
X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGIT./4 I ANA/2 O ANA					
6ES7313-5BE00-0AB0	or and	8 optos P			
6ES7314-6BF00-0AB0	or and	8 optos P			
6ES7314-6CF00-0AB0	or and	8 optos P			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

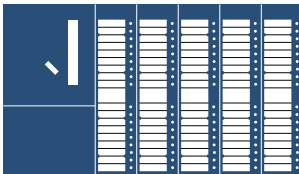
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/OMN20+OMN12/644	1SNA 036 880 F1600	1SNA 037 880 R1700			
2 m	FA200/S7 300/OMN20+OMN12/644	1SNA 036 881 F0300	1SNA 037 881 F0400			
2,5 m						
3 m	FA300/S7 300/OMN20+OMN12/644	1SNA 036 883 F0500	1SNA 037 883 F0600			
4 m						
5 m	FA500/S7 300/OMN20+OMN12/644	1SNA 036 885 F0700	1SNA 037 885 F0000			

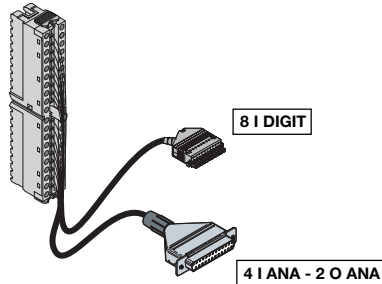
Characteristics

Type of interface connector	1 Omniconnect 20 points + 1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C
CPU 314 C - 2 PTP / 314 C - 2 DP
X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGIT./4 I ANA/2 O ANA					
6ES7313-5BE00-0AB0	or and Sub D 25	8 optos P			
6ES7314-6BF00-0AB0	or and Sub D 25	8 optos P			
6ES7314-6CF00-0AB0	or and Sub D 25	8 optos P			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

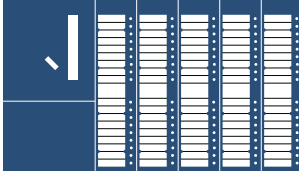
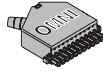
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/Sub D 25+OMN12/646	1SNA 036 892 F0600	1SNA 037 892 F0700			
2 m	FA200/S7 300/Sub D 25+OMN12/646	1SNA 036 893 F0700	1SNA 037 893 F0000			
2,5 m						
3 m	FA300/S7 300/Sub D 25+OMN12/646	1SNA 036 895 F0100	1SNA 037 895 F0200			
4 m						
5 m	FA500/S7 300/Sub D 25+OMN12/646	1SNA 036 897 F0300	1SNA 037 897 F0400			

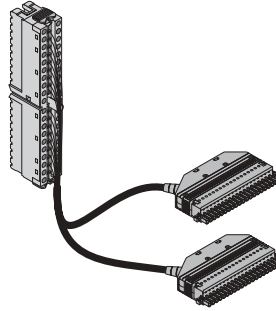
Characteristics

Type of interface connector	1 Omniconnect 12 points + 1 female 25 points Sub D
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

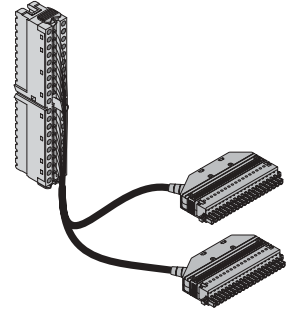
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL
Board 8 O DIGITAL



Board 32 I DIGITAL
Board 32 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 I DIGITAL		
6ES7321-1BL00-0AA0	2 3 6 7	16 Opto P	6ES7321-1EL00-0AA0	2 6	
6ES7321-1BL80-0AA0	2 3 6 7	16 Opto P	Boards 32 O DIGITAL		
Boards 8 O DIGITAL			6ES7322-1BL00-0AA0	2 3 6 7	16 Relays N / 16 Opto N
6ES7322-1HF20-0AA0	2 6				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

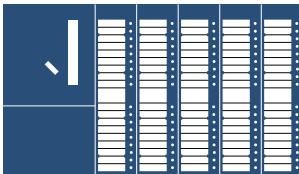
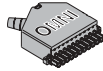
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/060	1SNA 029 990 R2500	1SNA 034 990 R1200	FA100/S7 300/2xOMN20/061	1SNA 029 991 R1200	1SNA 034 991 R0700
1,5 m	FA150/S7 300/2xOMN20/060	1SNA 021 406 R1000	1SNA 027 406 R1600	FA150/S7 300/2xOMN20/061	1SNA 021 412 R0500	1SNA 027 412 R0300
2 m	FA200/S7 300/2xOMN20/060	1SNA 021 407 R1100	1SNA 027 407 R1700	FA200/S7 300/2xOMN20/061	1SNA 021 413 R0600	1SNA 027 413 R0400
2,5 m						
3 m	FA300/S7 300/2xOMN20/060	1SNA 021 409 R2300	1SNA 027 409 R2100	FA300/S7 300/2xOMN20/061	1SNA 021 415 R0000	1SNA 027 415 R0600
4 m						
5 m	FA500/S7 300/2xOMN20/060	1SNA 021 411 R0400	1SNA 027 411 R0200	FA500/S7 300/2xOMN20/061	1SNA 021 417 R0200	1SNA 027 417 R0000

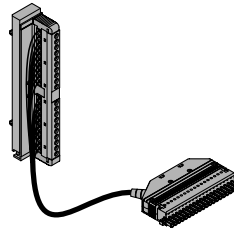
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

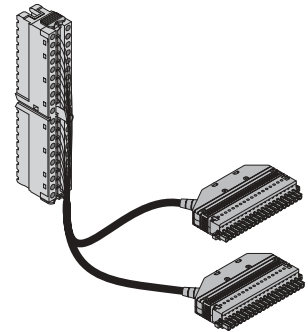
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 32 O DIGITAL
Board 16 I DIGITAL
Board 16 O DIGITAL



Board 16 I / 16 O DIGITAL



⁽¹⁾ Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 32 O DIGITAL			Boards 16I / 16O DIGIT.			
6ES7322-1EL00-0AA0 ⁽¹⁾	2		6ES7323-1BL00-0AA0	2 3 6 7	16 Opto P	16 Relays N / 16 Opto N
Boards 16 I DIGITAL						
6ES7321-1CH80-0AA0	2					
6ES7321-1FH00-0AA0	2					
Boards 16 O DIGITAL						
6ES7322-1FH00-0AA0	2					

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

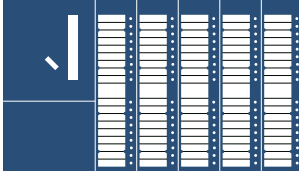
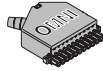
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 R0100			
1,5 m	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 R0700	FA150/S7 300/2xOMN20/228	1SNA 026 516 R0200	1SNA 028 516 R1400
2 m	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 R0000	FA200/S7 300/2xOMN20/228	1SNA 026 517 R0300	1SNA 028 517 R1500
2,5 m						
3 m	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 R0200	FA300/S7 300/2xOMN20/228	1SNA 026 519 R1500	1SNA 028 519 R2700
4 m						
5 m	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400	FA500/S7 300/2xOMN20/228	1SNA 026 521 R0700	1SNA 028 521 R1100

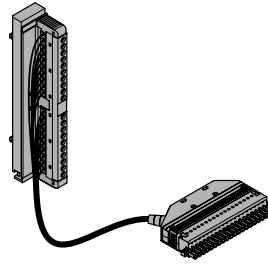
Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AM00 - 0AA0

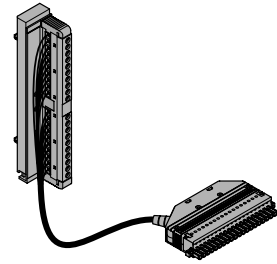
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL



Board 16 I DIGITAL
Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7321-1BH02-0AA0	2 3	16 Opto P	6ES7321-1EH01-0AA0	2	
6ES7321-1BH50-0AA0	2 3	16 Opto N	6ES7321-7BH01-0AB0	2	
6ES7321-1BH81-0AA0	2 3		6ES7321-7BH80-0AB0	2	
			Boards 16 O DIGITAL		
			6ES7322-1BH00-0AA0	2 3	16 Relays N / 16 Opto N
			6ES7322-1EH01-0AA0	2	
			6ES7322-1HH00-0AA0	2	
			6ES7322-1BH81-0AA0	2 3	16 Relays N / 16 Opto N

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

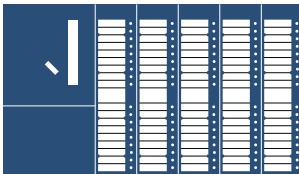
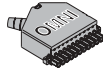
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/062	1SNA 029 992 R1300	1SNA 034 992 P0000	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 P0100
1,5 m	FA150/S7 300/OMN20/062	1SNA 021 418 R1300	1SNA 027 418 R1100	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 P0700
2 m	FA200/S7 300/OMN20/062	1SNA 021 419 R1400	1SNA 027 419 R1200	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 P0000
2,5 m						
3 m	FA300/S7 300/OMN20/062	1SNA 021 421 R0600	1SNA 027 421 R0400	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 P0200
4 m						
5 m	FA500/S7 300/OMN20/062	1SNA 021 423 R0000	1SNA 027 423 R0600	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400

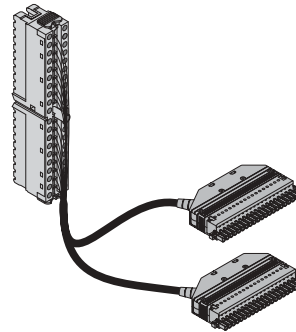
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL					
6ES7322-8BH00-0AB0	2 6				

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

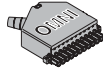
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/061	1SNA 029 991 R1200	1SNA 034 991 P0700			
1,5 m	FA150/S7 300/2xOMN20/061	1SNA 021 412 R0500	1SNA 027 412 R0300			
2 m	FA200/S7 300/2xOMN20/061	1SNA 021 413 R0600	1SNA 027 413 R0400			
2,5 m						
3 m	FA300/S7 300/2xOMN20/061	1SNA 021 415 R0000	1SNA 027 415 R0600			
4 m						
5 m	FA500/S7 300/2xOMN20/061	1SNA 021 417 R0200	1SNA 027 417 R0000			

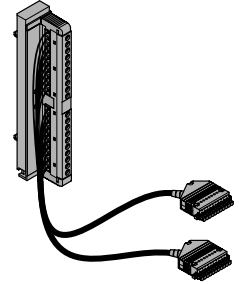
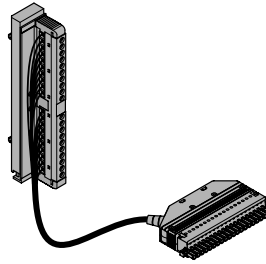
Characteristics

Type of interface connector	2 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7392 - 1AM00 - 0AA0	

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I / 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGIT.			Boards 8I/8O DIGIT.		
6ES7323-1BH01-0AA0			6ES7323-1BH01-0AA0		8 Opto P 8 Opto N
6ES7323-1BH81-0AA0			6ES7323-1BH81-0AA0		8 Relays N 8 Opto N

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

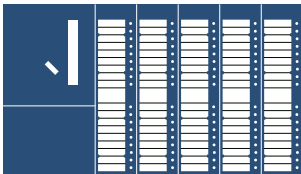
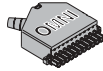
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 R0100			
1,5 m	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 R0700	FA150/S7 300/2xOMN12/064	1SNA 021 430 R1300	1SNA 027 430 R1100
2 m	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 R0000	FA200/S7 300/2xOMN12/064	1SNA 021 431 R0000	1SNA 027 431 R0600
2,5 m						
3 m	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 R0200	FA300/S7 300/2xOMN12/064	1SNA 021 433 R0200	1SNA 027 433 R0000
4 m						
5 m	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400	FA500/S7 300/2xOMN12/064	1SNA 021 435 R0400	1SNA 027 435 R0200

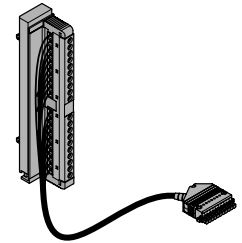
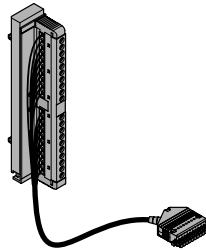
Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL
Board 8 O DIGITAL



⁽¹⁾ Common by group of 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
6ES7321-1FF01-0AA0			6ES7322-1FF01-0AA0		
6ES7321-1FF81-0AA0			6ES7322-1FF81-0AA0		
Boards 8 O DIGITAL					
6ES7322-1CF80-0AA0 ⁽¹⁾					

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

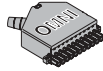
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/OMN12/066	1SNA 021 442 R1300	1SNA 027 442 R1100	FA150/S7 300/OMN12/067	1SNA 021 448 R2100	1SNA 027 448 R2700
2 m	FA200/S7 300/OMN12/066	1SNA 021 443 R1400	1SNA 027 443 R1200	FA200/S7 300/OMN12/067	1SNA 021 449 R2200	1SNA 027 449 R2000
2,5 m						
3 m	FA300/S7 300/OMN12/066	1SNA 021 445 R1600	1SNA 027 445 R1400	FA300/S7 300/OMN12/067	1SNA 021 451 R1400	1SNA 027 451 R1200
4 m						
5 m	FA500/S7 300/OMN12/066	1SNA 021 447 R1000	1SNA 027 447 R1600	FA500/S7 300/OMN12/067	1SNA 021 453 R1600	1SNA 027 453 R1400

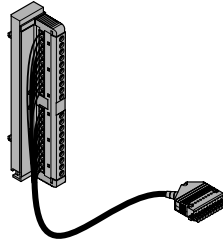
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



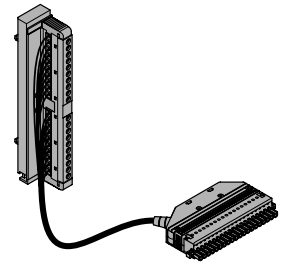
Board 8 O DIGITAL



⁽¹⁾ Series output without diode
⁽²⁾ Common by group of 8

Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL		
6ES7322-1BF01-0AA0 ⁽²⁾	0 1	8 Relays N / 8 Opto N
6ES7322-8BF00-0AB0 ⁽¹⁾	0 1	8 Relays N / 8 Opto N
6ES7322-8BF80-0AB0 ⁽¹⁾	0 1	8 Relays N / 8 Opto N
6ES7322-1CF80-0AA0 ⁽²⁾	0	

Board 8 O DIGITAL



Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300/OMN12/068	1SNA 021 454 R1700	1SNA 027 454 R1500
2 m	FA200/S7 300/OMN12/068	1SNA 021 455 R1000	1SNA 027 455 R1600
2,5 m			
3 m	FA300/S7 300/OMN12/068	1SNA 021 457 R1200	1SNA 027 457 R1000
4 m			
5 m	FA500/S7 300/OMN12/068	1SNA 021 459 R2400	1SNA 027 459 R2200

■ Wire markers optional:
 Consult us

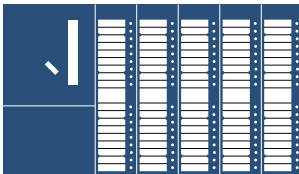
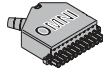
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

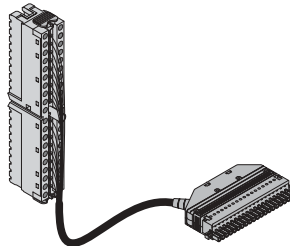
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

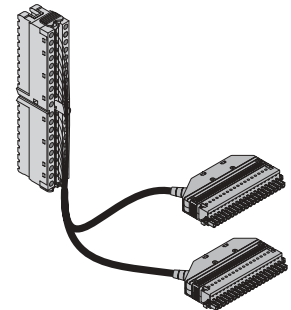


Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL		
6ES7322-1HF10-0AA0	2	
6ES7322-1HF80-0AA0	2	

Board 8 O DIGITAL



Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300/OMN20/473	1SNA 029 906 R2500	1SNA 034 906 R1200
2 m	FA200/S7 300/OMN20/473	1SNA 029 907 R2600	1SNA 034 907 R1300
2,5 m			
3 m	FA300/S7 300/OMN20/473	1SNA 029 909 R0000	1SNA 034 909 R2500
4 m			
5 m	FA500/S7 300/OMN20/473	1SNA 029 911 R1100	1SNA 034 911 R0600

■ Wire markers optional:
 Consult us

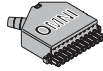
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

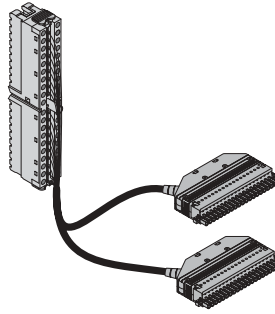
Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



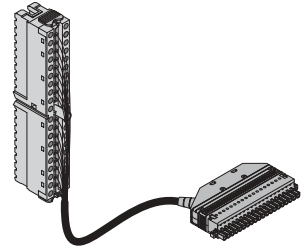
Board 8 I ANA



I VOLTAGE / I CURRENT

Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
6ES7331-7NF00-0AB0	2 6	

Board 8 I ANA



I VOLTAGE

Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
6ES7331-7NF00-0AB0	2	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

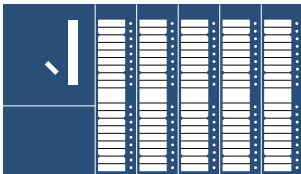
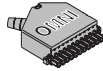
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/060	1SNA 029 990 R2500	1SNA 034 990 R1200			
1,5 m	FA150/S7 300/2xOMN20/060	1SNA 021 406 R1000	1SNA 027 406 R1600	FA150/S7 300/OMN20/552	1SNA 036 420 R1000	1SNA 037 420 R1100
2 m	FA200/S7 300/2xOMN20/060	1SNA 021 407 R1100	1SNA 027 407 R1700	FA200/S7 300/OMN20/552	1SNA 036 421 R0500	1SNA 037 421 R0600
2,5 m						
3 m	FA300/S7 300/2xOMN20/060	1SNA 021 409 R2300	1SNA 027 409 R2100	FA300/S7 300/OMN20/552	1SNA 036 423 R0700	1SNA 037 423 R0000
4 m						
5 m	FA500/S7 300/2xOMN20/060	1SNA 021 411 R0400	1SNA 027 411 R0200	FA500/S7 300/OMN20/552	1SNA 036 425 R0100	1SNA 037 425 R0200

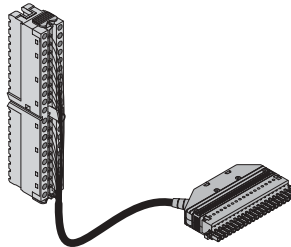
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



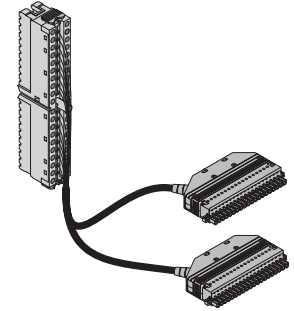
Board 8 I ANA



I CURRENT

Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
6ES7331-7NF00-0AB0	2 6	

Board 8 I ANA
Board 8 O ANA



Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
6ES7331-7PF00-0AB0	2 6	
Boards 8 O ANA		
6ES7332-5HF00-0AB0	2 6	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/OMN20/547	1SNA 036 390 R2200	1SNA 037 390 R2300	FA150/S7 300/2xOMN20/596	1SNA 036 630 R2200	1SNA 037 630 R2300
2 m	FA200/S7 300/OMN20/547	1SNA 036 391 R1700	1SNA 037 391 R1000	FA200/S7 300/2xOMN20/596	1SNA 036 631 R1700	1SNA 037 631 R1000
2,5 m						
3 m	FA300/S7 300/OMN20/547	1SNA 036 393 R1100	1SNA 037 393 R1200	FA300/S7 300/2xOMN20/596	1SNA 036 633 R1100	1SNA 037 633 R1200
4 m						
5 m	FA500/S7 300/OMN20/547	1SNA 036 395 R1300	1SNA 037 395 R1400	FA500/S7 300/2xOMN20/596	1SNA 036 635 R1300	1SNA 037 635 R1400

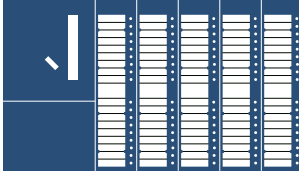
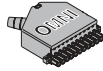
Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300

Swing arm with cable and Omnicontact connectors



■ Wire markers optional:
Consult us

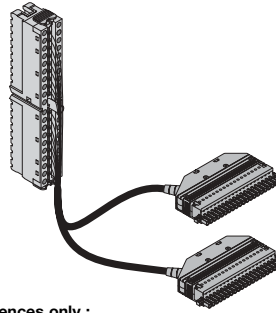
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	2 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 8 I ANA



⁽¹⁾ These references only :

1SNA 631 001 R2500, 1SNA 021 021 R0000, 1SNA 032 003 R1200,
1SNA 032 121 R0400

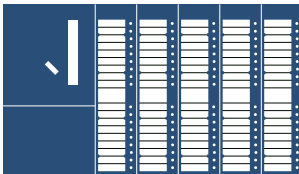
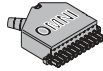
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-1KF00-0AB0	2 [2] [6] ⁽¹⁾		6ES7331-7KF02-0AB0	2 [2]	
Boards 4 I / 2 O ANA			Boards 4 I / 2 O ANA		
			6ES7334-0CE00-0AA0	2 [2]	
			6ES7334-0KE00-0AB0	2 [2]	
Boards 4 O ANA			Boards 4 O ANA		
			6ES7332-5HD01-0AB0	2 [2]	
			6ES7332-7ND01-0AB0	2 [2]	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/061	1SNA 029 991 R1200	1SNA 034 991 R0700	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 R0100
1,5 m	FA150/S7 300/2xOMN20/061	1SNA 021 412 R0500	1SNA 027 412 R0300	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 R0700
2 m	FA200/S7 300/2xOMN20/061	1SNA 021 413 R0600	1SNA 027 413 R0400	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 R0000
2,5 m						
3 m	FA300/S7 300/2xOMN20/061	1SNA 021 415 R0000	1SNA 027 415 R0600	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 R0200
4 m						
5 m	FA500/S7 300/2xOMN20/061	1SNA 021 417 R0200	1SNA 027 417 R0000	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400

interfast 2

Siemens PLC S7 300

Swing arm with cable and Omnicontact connectors



■ Wire markers optional:
Consult us

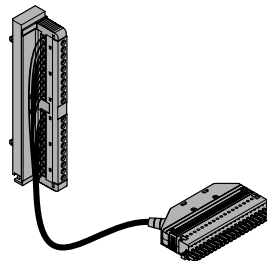
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

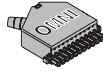
Board 4 I / 4 O ANA



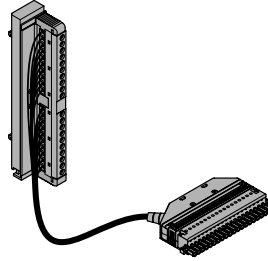
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 4 O ANA			Boards 2 I ANA		
6ES7335-7HG01-0AB0	2 [2]		6ES7331-7KB02-0AB0	0 [0]	
			6ES7331-7KB81-0AB0	0 [0]	
Boards 2 O ANA			Boards 2 O ANA		
			6ES7332-5HB01-0AB0	0 [0]	
			6ES7332-5HB81-0AB0	0 [0]	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 R0100	FA100/S7 300/OMN12/550	1SNA 036 408 R2100	1SNA 037 408 R2200
1,5 m	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 R0700	FA150/S7 300/OMN12/550	1SNA 036 409 R2200	1SNA 037 409 R2300
2 m	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 R0000	FA200/S7 300/OMN12/550	1SNA 036 411 R0300	1SNA 037 411 R0400
2,5 m						
3 m	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 R0200	FA300/S7 300/OMN12/550	1SNA 036 413 R0500	1SNA 037 413 R0600
4 m						
5 m	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400	FA500/S7 300/OMN12/550		

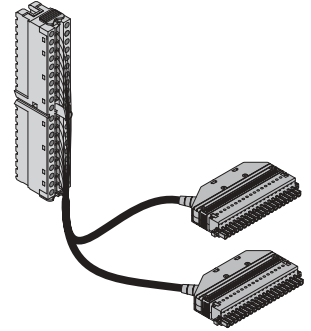
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



FM 350 - 1



FM 350 - 2



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
FM 350 - 1			FM 350 - 2		
6ES7350-1AH02-0AE0	2		6ES7350-2AH00-0AE0	2	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

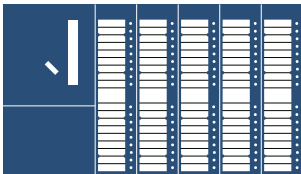
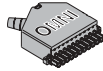
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	1SNA 029 993 R1400	1SNA 034 993 R0100			
1,5 m	FA150/S7 300/OMN20/063	1SNA 021 424 R0100	1SNA 027 424 R0700	FA150/S7 300/2xOMN20/642	1SNA 036 868 R2500	1SNA 037 868 R2600
2 m	FA200/S7 300/OMN20/063	1SNA 021 425 R0200	1SNA 027 425 R0000	FA200/S7 300/2xOMN20/642	1SNA 036 869 R2600	1SNA 037 869 R2700
2,5 m						
3 m	FA300/S7 300/OMN20/063	1SNA 021 427 R0400	1SNA 027 427 R0200	FA300/S7 300/2xOMN20/642	1SNA 036 871 R1000	1SNA 037 871 R1100
4 m						
5 m	FA500/S7 300/OMN20/063	1SNA 021 429 R1600	1SNA 027 429 R1400	FA500/S7 300/2xOMN20/642	1SNA 036 873 R1200	1SNA 037 873 R1300

Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AM00 - 0AM0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

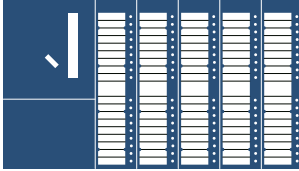
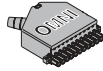
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 2

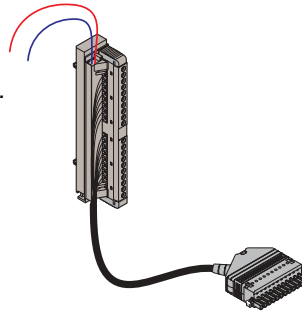
Siemens PLC S7 300

Swing arm with cable and Omnicontact connectors



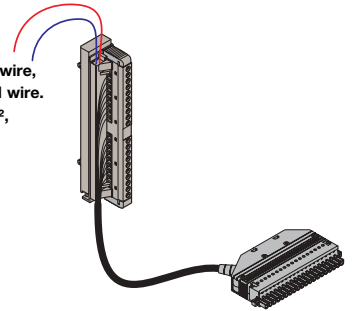
Board 4 I DIGITAL Board 4 O DIGITAL

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



Board 4/8 O ANA

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I DIGITAL			Boards 4/8 O ANA		
6ES7321-7RD00-0AB0			6ES7331-7SF00-0AB0		
Boards 4 O DIGITAL					
6ES7322-5SD00-0AB0					
6ES7322-5RD00-0AB0					

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300 EX/OMN12/429	1SNA 029 660 R1100	1SNA 034 660 R0630	FA150/S7 300 EX/OMN20/478	1SNA 029 936 R1200	1SNA 034 936 R0700
2 m	FA200/S7 300 EX/OMN12/429	1SNA 029 661 R0600	1SNA 034 661 R2330	FA200/S7 300 EX/OMN20/478	1SNA 029 937 R1300	1SNA 034 937 R0000
2,5 m						
3 m	FA300/S7 300 EX/OMN12/429	1SNA 029 663 R0000	1SNA 034 663 R2530	FA300/S7 300 EX/OMN20/478	1SNA 029 939 R2500	1SNA 034 939 R1200
4 m						
5 m	FA500/S7 300 EX/OMN12/429	1SNA 029 665 R0200	1SNA 034 665 R2730	FA500/S7 300 EX/OMN20/478	1SNA 029 941 R2700	1SNA 034 941 R1400

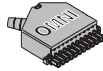
Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0

interfast 2

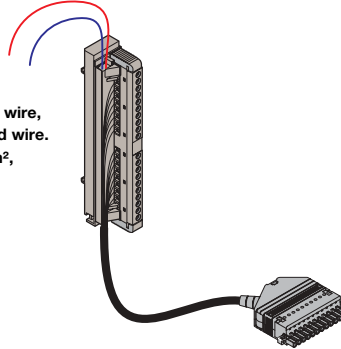
Siemens PLC S7 300

Swing arm with cable and Omnicontact connectors



Board 4 I ANA Board 4 O ANA

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA					
6ES7331-7RD00-0AB0					
Boards 4 O ANA					
6ES7332-5RD00-0AB0					

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

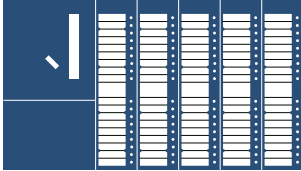
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300 EX/OMN12/429	1SNA 029 660 R1100	1SNA 034 660 R0630			
2 m	FA200/S7 300 EX/OMN12/429	1SNA 029 661 R0600	1SNA 034 661 R2330			
2,5 m						
3 m	FA300/S7 300 EX/OMN12/429	1SNA 029 663 R0000	1SNA 034 663 R2530			
4 m						
5 m	FA500/S7 300 EX/OMN12/429	1SNA 029 665 R0200	1SNA 034 665 R2730			

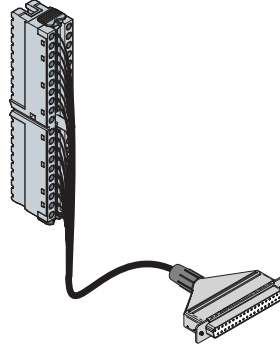
Characteristics

Type of interface connector	1 Omnicontact 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0	

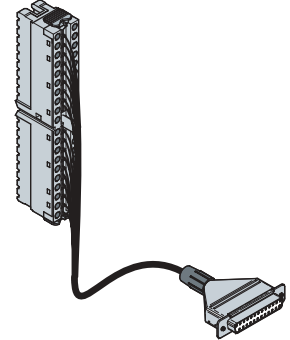
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA
8 Current Input or Voltage



Board 8 I ANA
8 Voltage Input



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 37		6ES7331-7NF00-0AB0	Sub D 25	

Wire markers optional:
 Consult us

Accessories:
 see section on ACCESSORIES

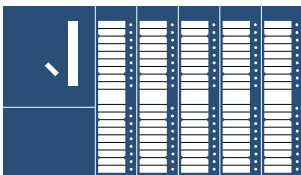
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/SubD37/477	1SNA 029 930 R2000	1SNA 034 930 R1500	FA150/S7 300/SubD25/476	1SNA 029 924 R1600	1SNA 034 924 R0300
2 m	FA200/S7 300/SubD37/477	1SNA 029 931 R1500	1SNA 034 931 R0200	FA200/S7 300/SubD25/476	1SNA 029 925 R1700	1SNA 034 925 R0400
2,5 m						
3 m	FA300/S7 300/SubD37/477	1SNA 029 933 R1700	1SNA 034 933 R0400	FA300/S7 300/SubD25/476	1SNA 029 927 R1100	1SNA 034 927 R0600
4 m						
5 m	FA500/S7 300/SubD37/477	1SNA 029 935 R1100	1SNA 034 935 R0600	FA500/S7 300/SubD25/476	1SNA 029 929 R2300	1SNA 034 929 R1000

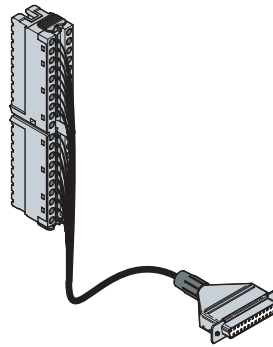
Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

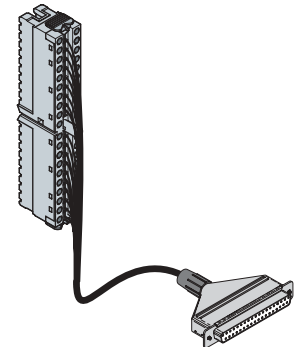
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA
8 Current Input



Board 8 I ANA
Board 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 25		6ES7331-7PF00-0AB0	Sub D 37	
			Boards 8 O ANA		
			6ES7332-5HF00-0AB0	Sub D 37	

Wire markers optional:
 Consult us

Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/SubD25/227	1SNA 026 510 R1000	1SNA 028 510 R2200	FA150/S7 300/SubD37/597	1SNA 036 636 R1400	1SNA 037 636 R1500
2 m	FA200/S7 300/SubD25/227	1SNA 026 511 R0500	1SNA 028 511 R1700	FA200/S7 300/SubD37/597	1SNA 036 637 R1500	1SNA 037 637 R1600
2,5 m						
3 m	FA300/S7 300/SubD25/227	1SNA 026 513 R0700	1SNA 028 513 R1100	FA300/S7 300/SubD37/597	1SNA 036 639 R2700	1SNA 037 639 R2000
4 m						
5 m	FA500/S7 300/SubD25/227	1SNA 026 515 R0100	1SNA 028 515 R1300	FA500/S7 300/SubD37/597	1SNA 036 641 R2100	1SNA 037 641 R2200

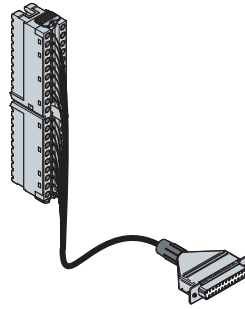
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

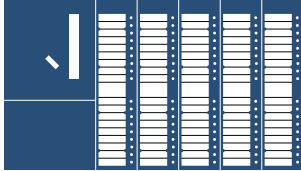
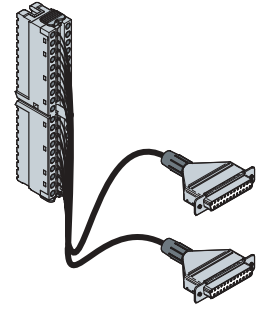
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7PF10-0AB0	Sub D 25		6ES7331-1KF00-0AB0	Sub D 25	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/Sub D 25/647	1SNA 036 862 R1700	1SNA 037 862 R1000	FA150/S7 300/2xSub D 25/652	1SNA 036 949 R2600	1SNA 037 949 R2700
2 m	FA200/S7 300/Sub D 25/647	1SNA 036 863 R1000	1SNA 037 863 R1100	FA200/S7 300/2xSub D 25/652	1SNA 036 950 R2300	1SNA 037 950 R2400
2,5 m						
3 m	FA300/S7 300/Sub D 25/647	1SNA 036 865 R1200	1SNA 037 865 R1300	FA300/S7 300/2xSub D 25/652	1SNA 036 952 R1100	1SNA 037 952 R1200
4 m						
5 m	FA500/S7 300/Sub D 25/647	1SNA 036 867 R1400	1SNA 037 867 R1500	FA500/S7 300/2xSub D 25/652	1SNA 036 954 R1300	1SNA 037 954 R1400

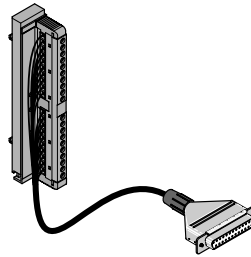
Characteristics

Type of interface connector	1 Sub D 25 female points	2 Sub D 25 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

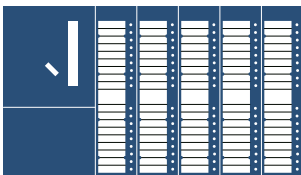
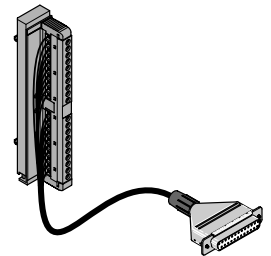
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA
Board 4 I / 2 O ANA
Board 4 O ANA



Board 4 I / 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I / 4 O ANA		
6ES7331-7KF02-0AB0	Sub D 25		6ES7335-7HG01-0AB0	Sub D 25	
Boards 4 I / 2 O ANA					
6ES7334-0CE00-0AA0	Sub D 25				
6ES7334-0KE00-0AB0	Sub D 25				
Boards 4 O ANA					
6ES7332-5HD01-0AB0	Sub D 25				
6ES7332-7ND01-0AB0	Sub D 25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD25/057	1SNA 021 388 R2500	1SNA 027 388 R2300	FA150/S7 300/SubD25/057	1SNA 021 388 R2500	1SNA 027 388 R2300
2 m	FA200/S7 300/SubD25/057	1SNA 021 389 R2600	1SNA 027 389 R2400	FA200/S7 300/SubD25/057	1SNA 021 389 R2600	1SNA 027 389 R2400
2,5 m						
3 m	FA300/S7 300/SubD25/057	1SNA 021 391 R1000	1SNA 027 391 R1600	FA300/S7 300/SubD25/057	1SNA 021 391 R1000	1SNA 027 391 R1600
4 m						
5 m	FA500/S7 300/SubD25/057	1SNA 021 393 R1200	1SNA 027 393 R1000	FA500/S7 300/SubD25/057	1SNA 021 393 R1200	1SNA 027 393 R1000

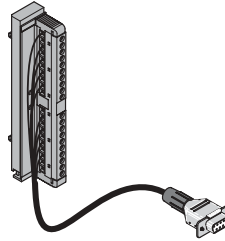
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

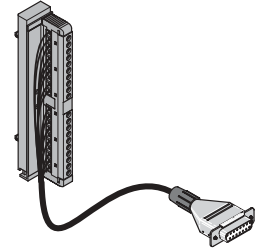
interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 2 I ANA



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 2 I ANA			Boards 2 O ANA		
6ES7331-7KB02-0AB0	Sub D 9		6ES7332-5HB01-0AB0	Sub D 15	
6ES7331-7KB81-0AB0	Sub D 9		6ES7332-5HB81-0AB0	Sub D 15	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

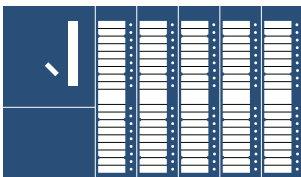
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD9/058	1SNA 021 394 R1300	1SNA 027 394 R1100	FA150/S7 300/SubD15/059	1SNA 021 400 R2600	1SNA 027 400 R2400
2 m	FA200/S7 300/SubD9/058	1SNA 021 395 R1400	1SNA 027 395 R1200	FA200/S7 300/SubD15/059	1SNA 021 401 R1300	1SNA 027 401 R1100
2,5 m						
3 m	FA300/S7 300/SubD9/058	1SNA 021 397 R1600	1SNA 027 397 R1400	FA300/S7 300/SubD15/059	1SNA 021 403 R1500	1SNA 027 403 R1300
4 m						
5 m	FA500/S7 300/SubD9/058	1SNA 021 399 R2000	1SNA 027 399 R2600	FA500/S7 300/SubD15/059	1SNA 021 405 R1700	1SNA 027 405 R1500

Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

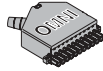
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

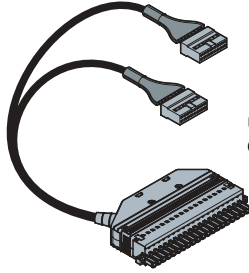
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

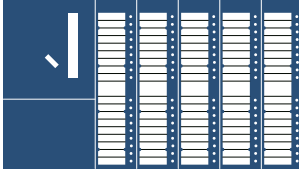
interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP
CPU 314 C - 2 PTP / 314 C - 2 DP
X2 connector (16 I DIGITAL / 16 O DIGITAL)



Use with frontal connector :
 6ES7921-3AA20-0AA0



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 16 I / 16 O DIGITAL							
6ES7313-5BE00-0AB0		16 Opto P	16 Relays N 16 Opto N				
6ES7313-6BE00-0AB0							
6ES7313-6CE00-0AB0							
6ES7314-6BF00-0AB0							
6ES7314-6CF00-0AB0							

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

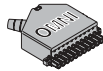
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400			
2 m	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500			
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700			
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000			

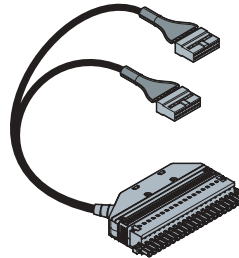
Characteristics

Type of interface connector	1 Omnicontact 20 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points

interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

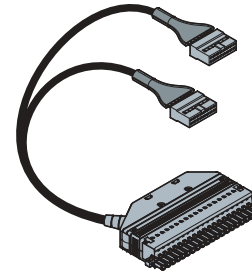


Board 32 I DIGITAL
Board 32 O DIGITAL
Board 16 I / 16 O DIGITAL



Use with frontal connector :
 6ES7921-3AA20-0AA0

Board 16 I DIGITAL



Use with frontal connector :
 6ES7921-3AA00-0AA0
 6ES7921-3AB00-0AA0

Note : 2 cables per PLC board

(1) To 60 V DC max.

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL				Boards 16 I DIGITAL		
6ES7321-1BL00-0AA0		16 Opto		6ES7321-1BH02-0AA0		16 Opto P
6ES7321-1BL80-0AA0				6ES7321-7BH01-0AB0		
Boards 32 O DIGITAL				Boards 16 I / 16 O DIGITAL		
6ES7322-1BL00-0AA0		16 Relays / 16 Opto		6ES7321-7BH80-0AB0		
6ES7322-1BL00-0AA0				6ES7321-1BH50-0AA0		16 Opto N
Boards 16I/16O DIGIT.				Boards 16 I / 16 O DIGITAL		
6ES7323-1BL00-0AA0		16 Opto P	16 Relays N 16 Opto N	6ES7321-1BH81-0AA0		
				6ES7321-1CH80-0AA0 (1)		

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

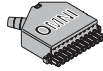
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400
2 m	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000

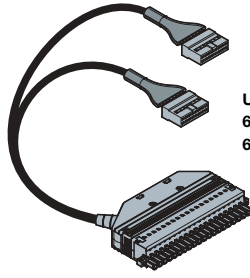
Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

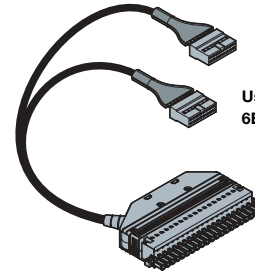


Board 16 O DIGITAL



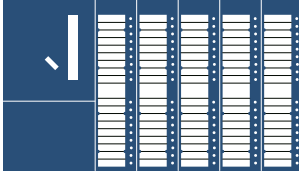
Use with frontal connector :
 6ES7921-3AA00-0AA0
 6ES7921-3AB00-0AA0

Board 16 O DIGITAL



Use with frontal connector :
 6ES7921-3AA20-0AA0

Note : 2 cables per PLC board



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGIT.		
6ES7322-1BH01-0AA0	2 3	16 Relays N / 16 Opto N	6ES7322-8BH00-0AB0	2	
6ES7322-1BH81-0AA0	2 3				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

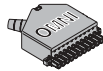
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400
2 m	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000

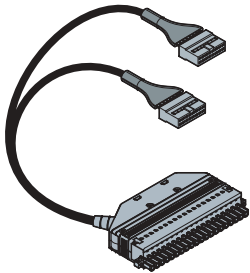
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

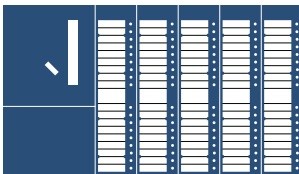
interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 8 I / 8 O DIGITAL
Board 8 O DIGITAL



Use with frontal connector :
 6ES7921-3AA00-0AA0
 6ES7921-3AB00-0AA0



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGITAL					
6ES7323-1BH01-0AA0	2 3				
6ES7323-1BH81-0AA0	2 3				
Boards 8 O DIGITAL					
6ES7322-8BF00-0AA0	2 3				
6ES7322-8BF80-0AA0	2 3				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

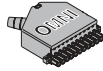
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R2400			
2 m	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R2500			
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R0700			
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R1000			

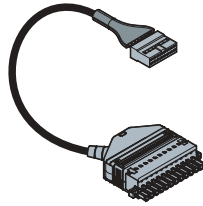
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

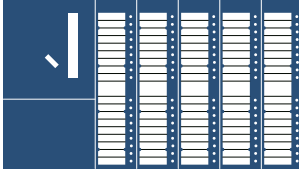
interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP
CPU 314 C - 2 PTP / 314 C - 2 DP
X2 connector (16 I DIGITAL / 16 O DIGITAL)



Use with frontal connector :
 6ES7921-3AA20-0AA0



Note : 4 cables per PLC board

Type of board	Connector interface	Decoupling interface	
		Input	Output
Boards 16 I / 16 O DIGITAL			
6ES7313-5BE00-0AB0		8 Opto P	8 Relays N 8 Opto N
6ES7313-6BE00-0AB0			
6ES7313-6CE00-0AB0			
6ES7314-6BF00-0AB0			
6ES7314-6CF00-0AB0			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

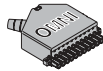
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100
2 m	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200
2,5 m			
3 m	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400
4 m			
5 m	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600

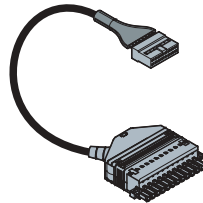
Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

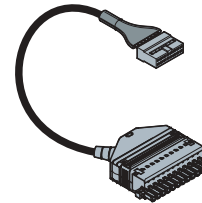


Board 32 I DIGITAL
Board 32 O DIGITAL
Board 16 I / 16 O DIGITAL



Use with frontal connector :
 6ES7921-3AA20-0AA0

Board 16 I DIGITAL



Use with frontal connector :
 6ES7921-3AA00-0AA0
 6ES7921-3AB00-0AA0

Note : 4 cables per PLC board

Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface		Type of board	Connector interface	Decoupling interface
		Input	Output			
Boards 32 I DIGITAL				Boards 16 I DIGITAL		
6ES7321-1BL00-0AA0		8 Opto P		6ES7321-1BH02-0AA0		8 Opto P
6ES7321-1BL80-0AA0				6ES7321-7BH01-0AB0		
Boards 32 O DIGITAL				6ES7321-7BH80-0AB0		
6ES7322-1BL00-0AA0		8 Relays N / 8 Opto N		6ES7321-1BH50-0AA0		8 Opto N
Boards 16I/16O DIGIT.				6ES7321-1BH81-0AA0		
6ES7323-1BL00-0AA0		8 Opto P	8 Relays N 8 Opto N	6ES7321-1CH80-0AA0		

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

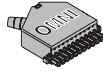
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100
2 m	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600

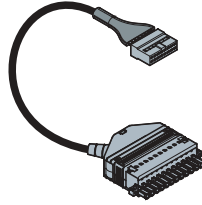
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

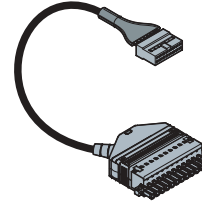


Board 16 O DIGITAL



Use with frontal connector :
 6ES7921-3AA00-0AA0
 6ES7921-3AB00-0AA0

Board 16 O DIGITAL



Use with frontal connector :
 6ES7921-3AA20-0AA0



Note : 2 cables per PLC board

Note : 4 cables per PLC board

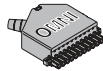
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT.			Boards 16O DIGIT.		
6ES7322-1BH01-0AA0	0 1 4 5	8 Relays N / 8 Opto N	6ES7322-8BH00-0AB0	0 4	
6ES7322-1BH81-0AA0	0 1 4 5	8 Relays N / 8 Opto N			

- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type*
** Cables UL available only for USA, CANADA, MEXICO*

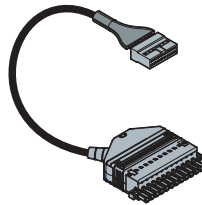
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100
2 m	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600

Characteristics		
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

interfast 3
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

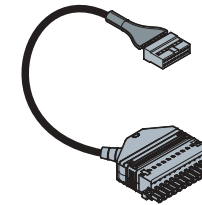


Board 8 I / 8 O DIGITAL
Board 8 O DIGITAL

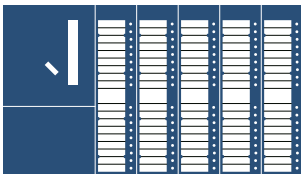


Use with frontal connector :
 6ES7921-3AB20-0AA0
 6ES7921-3AA00-0AA0

Board 8 O DIGITAL



Use with frontal connector :
 6ES7921-3AC00-0AA0
 6ES7921-3AD00-0AA0



Note : 2 cables per PLC board

(1) Common by group of 8

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGIT.				Boards 8 O DIGITAL		
6ES7323-1BH01-0AA0	0 1 4 5	8 Relays N	8 Relays N	6ES7322-1BF01-0AA0 (1)	0 1	8 Relays N
6ES7323-1BH81-0AA0	0 1 4 5	8 Opto P	8 Opto N			
Boards 8 O DIGITAL						
6ES7322-8BF00-0AA0	0 4					
6ES7322-8BF80-0AA0	0 4					

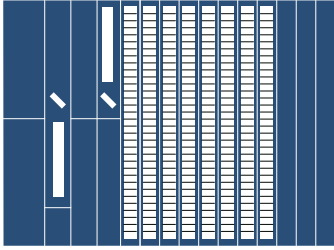
- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type*
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R1100	LA150/HE10-16/OMN12/297/UL		1SNA 028 918 R2700
2 m	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R1200	LA200/HE10-16/OMN12/297/UL		1SNA 028 919 R2000
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R1400	LA300/HE10-16/OMN12/297/UL		1SNA 028 921 R1200
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R1600	LA500/HE10-16/OMN12/297/UL		1SNA 028 923 R1400

Characteristics		
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS PLC S7 400



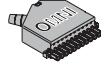
Multipurpose cable

See chapter
"Connection cables"

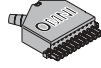


interfast 2 Swing arm pre-wired by ENTRELEC

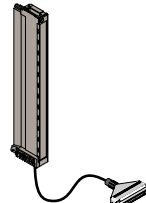
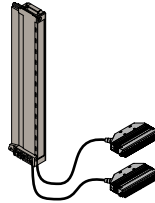
HDI High density range



STI standard range

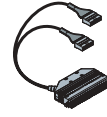


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Modulo 16

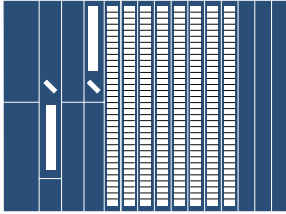
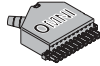


Modulo 8

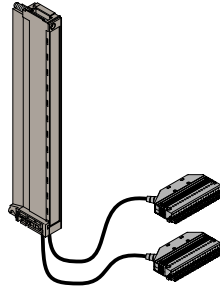
References	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
Boards 32 I DIGITAL						
6ES7421-1BL01-0AA0		Page 46			Page 53	Page 53
6ES7421-1EL00-0AA0		Page 46				
6MD1021-0AA00-0AA0		Page 48				
Boards 32 O DIGITAL						
6ES7422-1BL00-0AA0		Page 46			Page 53	Page 53
6ES7422-7BL00-0AB0		Page 46			Page 53	Page 53
6MD1022-0AA0-0AA0		Page 48				
Boards 16 I DIGITAL						
6ES7421-7DH00-0AB0		Page 46			Page 53	Page 53
6ES7421-1FH00-0AA0		Page 46				
6ES7421-5EH00-0AA0		Page 46			Page 53	Page 53
6ES7421-7BH00-0AB0		Page 46				
6ES7421-1FH20-0AA0		Page 46				
Boards 16 O DIGITAL						
6ES7422-1BH11-0AA0		Page 47				Page 53
6ES7422-1FH00-0AA0		Page 46				
6ES7422-1HH00-0AA0		Page 47				
6ES7422-5EH10-0AB0		Page 47				Page 53
6ES7422-5EH00-0AB0		Page 46				
Boards 8 O DIGITAL						
6ES7422-1FF00-0AA0		Page 47				
Boards 32 I ANA						
6MD1031-0AA00-0AA0		Page 48	Page 52			
6MD1031-0BA00-0AA0		Page 48	Page 52			
Boards 16 I ANA						
6ES7431-7QH00-0AB0		Page 50	Page 51			
6ES7431-0HH00-0AB0		Page 50	Page 51			
6MD1032-0AA00-0AA0		Page 48	Page 52			
6MD1032-0BA00-0AA0		Page 48	Page 52			
Boards 8 I ANA						
6ES7431-1KF00-0AB0		Page 50	Page 51			
6ES7431-1KF10-0AB0		Page 50	Page 51			
6ES7431-1KF20-0AB0		Page 50	Page 51			
6ES7431-7KF10-0AB0		Page 50	Page 51			
6ES7431-7KF00-0AB0		Page 50	Page 51			
Boards 8 O ANA						
6ES7432-1HF00-0AB0		Page 50	Page 51			
Pulse counter						
FM 455 C		Page 49				

interfast 2

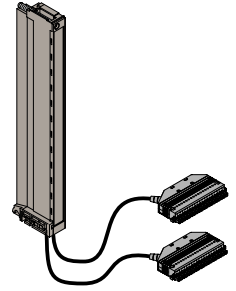
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 32 O DIGITAL



Board 32 I DIGITAL Board 16 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 I DIGITAL		
6ES7421-1BL01-0AA0	2 3 6 7	16 Opto P	6ES7421-1EL00-0AA0	2 6	
Boards 32 O DIGITAL			Boards 16 I DIGITAL		
6ES7422-1BL00-0AA0	2 3 6 7	16 Relays N / 16 opto N	6ES7421-7DH00-0AB0	2 6	
6ES7422-7BL00-0AA0	2 3 6 7	16 Relays N / 16 opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

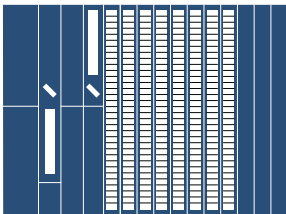
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	1SNA 029 994 R1500	1SNA 034 994 R0200			
1,5 m	FA150/S7 400/2xOMN20/576	1SNA 029 978 R0400	1SNA 034 978 R2100	FA150/S7 400/2xOMN20/075	1SNA 021 496 R0200	1SNA 027 496 R0000
2 m	FA200/S7 400/2xOMN20/576	1SNA 029 979 R0500	1SNA 034 979 R2200	FA200/S7 400/2xOMN20/075	1SNA 021 497 R0300	1SNA 027 497 R0100
2,5 m						
3 m	FA300/S7 400/2xOMN20/576	1SNA 029 981 R1000	1SNA 034 981 R0500	FA300/S7 400/2xOMN20/075	1SNA 021 499 R1500	1SNA 027 499 R1300
4 m						
5 m	FA500/S7 400/2xOMN20/576	1SNA 029 983 R1200	1SNA 034 983 R0700	FA500/S7 400/2xOMN20/075	1SNA 021 501 R1700	1SNA 027 501 R1500

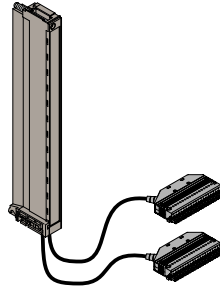
Characteristics		
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

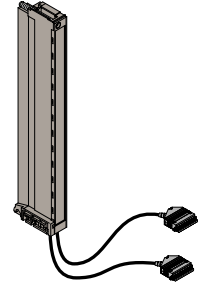
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7421-7BH00-0AB0	2 6		6ES7421-1FH00-0AA0	0 4	
6ES7421-5EH00-0AA0	2 6		6ES7421-1FH20-0AA0	0 4	
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7422-5EH00-0AB0	2 6		6ES7422-1FH00-0AA0	0 4	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

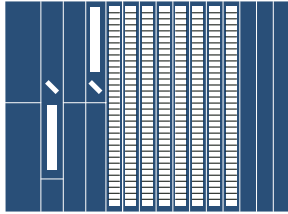
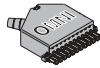
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	1SNA 029 994 R1500	1SNA 034 994 R0200			
1,5 m	FA150/S7 400/2xOMN20/576	1SNA 029 978 R0400	1SNA 034 978 R2100	FA150/S7 400/2xOMN12/076	1SNA 021 502 R1000	1SNA 027 502 R1600
2 m	FA200/S7 400/2xOMN20/576	1SNA 029 979 R0500	1SNA 034 979 R2200	FA200/S7 400/2xOMN12/076	1SNA 021 503 R1100	1SNA 027 503 R1700
2,5 m						
3 m	FA300/S7 400/2xOMN20/576	1SNA 029 981 R1000	1SNA 034 981 R0500	FA300/S7 400/2xOMN12/076	1SNA 021 505 R1300	1SNA 027 505 R1100
4 m						
5 m	FA500/S7 400/2xOMN20/576	1SNA 029 983 R1200	1SNA 034 983 R0700	FA500/S7 400/2xOMN12/076	1SNA 021 507 R1500	1SNA 027 507 R1300

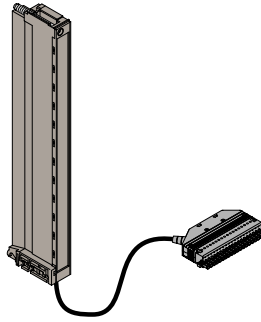
Characteristics		
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

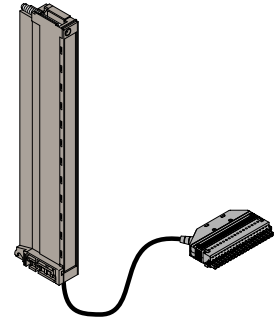
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT. 6ES7422-1BH11-0AA0			Boards 16 O DIGITAL 6ES7422-5EH10-0AB0		
		16 Relays N / 16 Opto N			16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

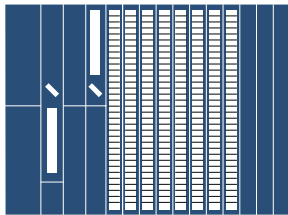
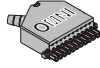
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/OMN20/077	1SNA 021 508 P2600	1SNA 027 508 P2400	FA150/S7 400/OMN20/438	1SNA 029 714 P2300	1SNA 034 714 P1000
2 m	FA200/S7 400/OMN20/077	1SNA 021 509 P2700	1SNA 027 509 P2500	FA200/S7 400/OMN20/438	1SNA 029 715 P2400	1SNA 034 715 P1100
2,5 m						
3 m	FA300/S7 400/OMN20/077	1SNA 021 511 P0000	1SNA 027 511 P0600	FA300/S7 400/OMN20/438	1SNA 029 717 P2600	1SNA 034 717 P1300
4 m						
5 m	FA500/S7 400/OMN20/077	1SNA 021 513 P0200	1SNA 027 513 P0000	FA500/S7 400/OMN20/438	1SNA 029 719 P0000	1SNA 034 719 P2500

Characteristics

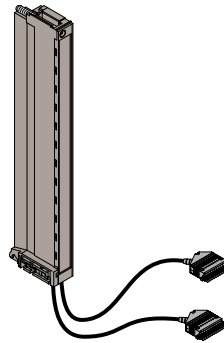
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

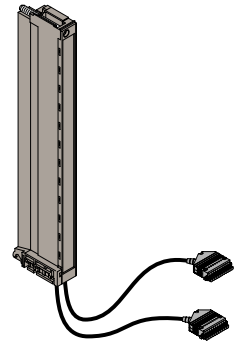
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL 6ES7422-1HH00-0AA0			Boards 8 O DIGITAL 6ES7422-1FF00-0AA0		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

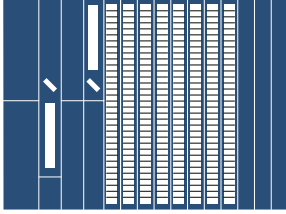
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN12/078	1SNA 021 514 P0300	1SNA 027 514 P0100	FA150/S7 400/2xOMN12/079	1SNA 021 520 P1500	1SNA 027 520 P1300
2 m	FA200/S7 400/2xOMN12/078	1SNA 021 515 P0400	1SNA 027 515 P0200	FA200/S7 400/2xOMN12/079	1SNA 021 521 P0200	1SNA 027 521 P0000
2,5 m						
3 m	FA300/S7 400/2xOMN12/078	1SNA 021 517 P0600	1SNA 027 517 P0400	FA300/S7 400/2xOMN12/079	1SNA 021 523 P0400	1SNA 027 523 P0200
4 m						
5 m	FA500/S7 400/2xOMN12/078	1SNA 021 519 P1000	1SNA 027 519 P1600	FA500/S7 400/2xOMN12/079	1SNA 021 525 P0600	1SNA 027 525 P0400

Characteristics

Type of interface connector	2 Omniconnect 12 points	2 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

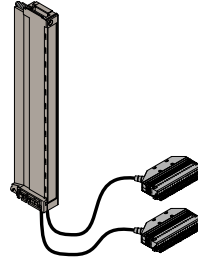
interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Safety board 32 I DIGITAL

Safety board 32 O DIGITAL



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

The validation monitoring terminals (FR0, FR1) are not run up to our interfaces

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
6MD1021-0AA00-0AA0	2 3 6 7 ⁽¹⁾	16 Opto P ⁽¹⁾	6MD1022-0AA00-0AA0	2 3 6 7 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾
Boards 32 O DIGITAL					
6MD1022-0AA00-0AA0	2 6				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

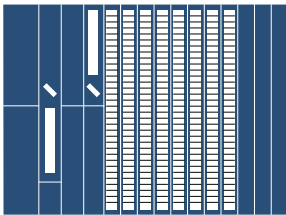
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/408	1SNA 029 566 P2700	1SNA 034 566 R1400	FA150/S7 400/2xOMN20/409	1SNA 029 572 P2500	1SNA 034 572 R1200
2 m	FA200/S7 400/2xOMN20/408	1SNA 029 567 P2000	1SNA 034 567 R1500	FA200/S7 400/2xOMN20/409	1SNA 029 573 P2600	1SNA 034 573 R1300
2,5 m						
3 m	FA300/S7 400/2xOMN20/408	1SNA 029 569 P0200	1SNA 034 569 P2700	FA300/S7 400/2xOMN20/409	1SNA 029 575 P2000	1SNA 034 575 R1500
4 m						
5 m	FA500/S7 400/2xOMN20/408	1SNA 029 571 P2400	1SNA 034 571 R1100	FA500/S7 400/2xOMN20/409	1SNA 029 577 P2200	1SNA 034 577 R1700

Characteristics

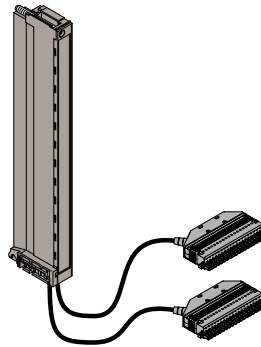
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

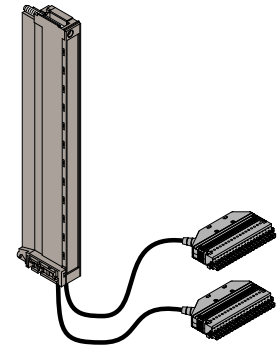
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Safety board 32 I ANA



Safety board 16 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I ANA			Boards 16 I ANA		
6MD1031-0AA00-0AA0	2		6MD1032-0AA00-0AA0	2 6	
6MD1031-0BA00-0AA0	2		6MD1032-0BA00-0AA0	2 6	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

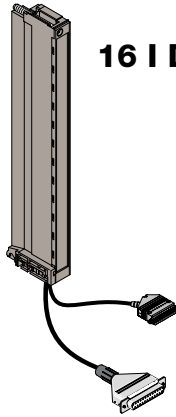
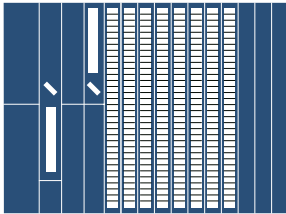
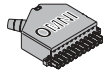
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/539	1SNA 036 342 P2500	1SNA 037 342 P2600	FA150/S7 400/2xOMN20/541	1SNA 036 354 P2100	1SNA 037 354 P2200
2 m	FA200/S7 400/2xOMN20/539	1SNA 036 343 P2600	1SNA 037 343 P2700	FA200/S7 400/2xOMN20/541	1SNA 036 355 P2200	1SNA 037 355 P2300
2,5 m						
3 m	FA300/S7 400/2xOMN20/539	1SNA 036 345 P2000	1SNA 037 345 P2100	FA300/S7 400/2xOMN20/541	1SNA 036 357 P2400	1SNA 037 357 P2500
4 m						
5 m	FA500/S7 400/2xOMN20/539	1SNA 036 347 P2200	1SNA 037 347 P2300	FA500/S7 400/2xOMN20/541	1SNA 036 359 P0600	1SNA 037 359 P0700

Characteristics

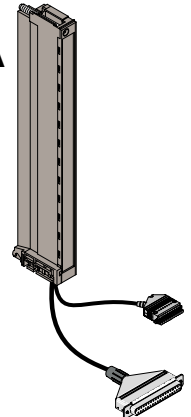
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Front left connector
8 I DIGITAL / 16 O ANA



Front right connector
8 I DIGITAL / 16 I ANA

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL / 16 O ANA			Boards 8 I DIGITAL / 16 I ANA		
FM 455 C	0 1 4 5 and Sub D 25		FM 455 C	0 1 4 5 and Sub D 37	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 400/SubD25+OMN12/416	1SNA 036 096 R0300	1SNA 037 096 R0400	FA150/S7 400/SubD37+OMN12/415	1SNA 036 090 R1100	1SNA 037 090 R1200
2 m	FA200/S7 400/SubD25+OMN12/416	1SNA 036 097 R0400	1SNA 037 097 R0500	FA200/S7 400/SubD37+OMN12/415	1SNA 036 091 R0600	1SNA 037 091 R0700
2,5 m						
3 m	FA300/S7 400/SubD25+OMN12/416	1SNA 036 099 R1600	1SNA 037 099 R1700	FA300/S7 400/SubD37+OMN12/415	1SNA 036 093 R0000	1SNA 037 093 R0100
4 m						
5 m	FA500/S7 400/SubD25+OMN12/416	1SNA 036 101 R1500	1SNA 037 101 R1600	FA500/S7 400/SubD37+OMN12/415	1SNA 036 095 R0200	1SNA 037 095 R0300

Characteristics

Type of interface connector	1 Omniconnect 12 poles + 1 Sub D 25	1 Omniconnect 12 poles + 1 Sub D 37
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

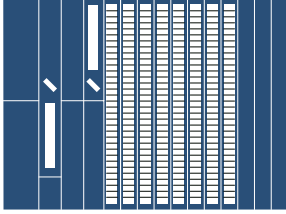
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

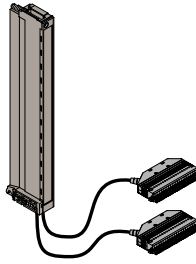
Type of interface connector	1 Omniconnect 12 poles + 1 Sub D 25	1 Omniconnect 12 poles + 1 Sub D 37
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 2

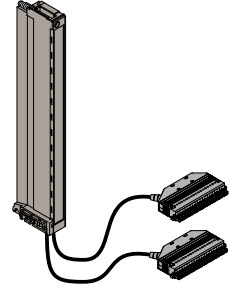
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 I ANA Board 8 I ANA Board 8 O ANA



Board 8 I ANA



⁽¹⁾ For these references only :
 1SNA 021 021 F0000, 1SNA 032 003 R1200, 1SNA 631 001 F2500, 1SNA 032 121 F0400

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	2 6 ⁽¹⁾		6ES7431-7KF00-0AB0	2 6	
6ES7431-0HH00-0AB0	2 6 ⁽¹⁾				
Boards 8 I ANA					
6ES7431-1KF00-0AB0	2 6 ⁽¹⁾				
6ES7431-7KF10-0AB0	2 6 ⁽¹⁾				
Boards 8 O ANA					
6ES7432-1HF00-0AB0	2 6 ⁽¹⁾				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

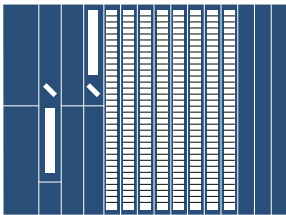
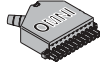
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/540	1SNA 036 348 F0300	1SNA 037 348 F0400	FA150/S7 400/2xOMN20/538	1SNA 036 336 F1700	1SNA 037 336 F1000
2 m	FA200/S7 400/2xOMN20/540	1SNA 036 349 F0400	1SNA 037 349 F0500	FA200/S7 400/2xOMN20/538	1SNA 036 337 F1000	1SNA 037 337 F1100
2,5 m						
3 m	FA300/S7 400/2xOMN20/540	1SNA 036 351 F2600	1SNA 037 351 F2700	FA300/S7 400/2xOMN20/538	1SNA 036 339 F2200	1SNA 037 339 F2300
4 m						
5 m	FA500/S7 400/2xOMN20/540	1SNA 036 353 F2000	1SNA 037 353 F2100	FA500/S7 400/2xOMN20/538	1SNA 036 341 F2400	1SNA 037 341 F2500

Characteristics

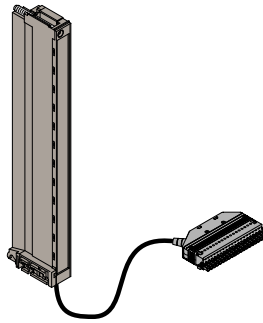
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
6ES7431-1KF10-0AB0	2				
6ES7431-1KF20-0AB0	2				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

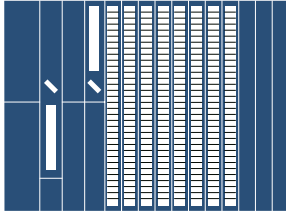
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/OMN20/542	1SNA 036 360 F0300	1SNA 037 360 F0400			
2 m	FA200/S7 400/OMN20/542	1SNA 036 361 F2000	1SNA 037 361 F2100			
2,5 m						
3 m	FA300/S7 400/OMN20/542	1SNA 036 363 F2200	1SNA 037 363 F2300			
4 m						
5 m	FA500/S7 400/OMN20/542	1SNA 036 365 F2400	1SNA 037 365 F2500			

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



■ Wire markers optional:
 Consult us

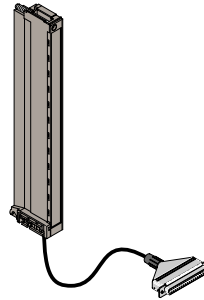
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

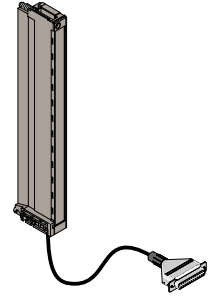
Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

Board 16 I ANA
Board 8 I ANA
Board 8 O ANA



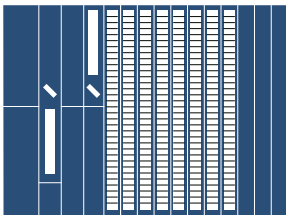
Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	Sub D 37		6ES7431-1KF10-0AB0	Sub D 25	
6ES7431-0HH00-0AB0	Sub D 37		6ES7431-1KF20-0AB0	Sub D 25	
Boards 8 I ANA					
6ES7431-1KF00-0AB0	Sub D 37				
6ES7431-7KF10-0AB0	Sub D 37				
Boards 8 O ANA					
6ES7432-1HF00-0AB0	Sub D 37				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/072	1SNA 021 478 F2700	1SNA 027 478 F25300	FA150/S7 400/SUBD25/073	1SNA 021 484 F0600	1SNA 027 484 F0400
2 m	FA200/S7 400/SUBD37/072	1SNA 021 479 F2000	1SNA 027 479 F26300	FA200/S7 400/SUBD25/073	1SNA 021 485 F0700	1SNA 027 485 F0500
2,5 m						
3 m	FA300/S7 400/SUBD37/072	1SNA 021 481 F0300	1SNA 027 481 F0100	FA300/S7 400/SUBD25/073	1SNA 021 487 F0100	1SNA 027 487 F0700
4 m						
5 m	FA500/S7 400/SUBD37/072	1SNA 021 483 F0500	1SNA 027 483 F0300	FA500/S7 400/SUBD25/073	1SNA 021 489 F1300	1SNA 027 489 R1100

interfast 2
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



■ Wire markers optional:
 Consult us

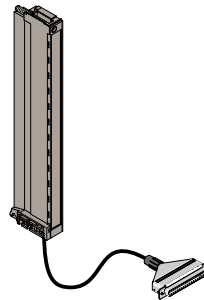
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	1 Sub D 37 female points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0

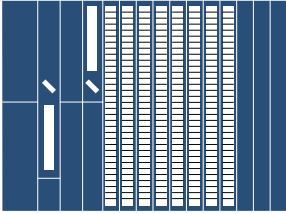
Board 8 I ANA



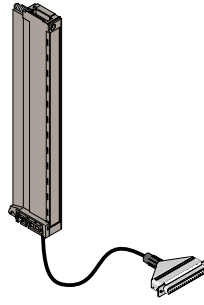
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
6ES7431-7KF00-0AB0	Sub D 37				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/573	1SNA 029 960 F0600	1SNA 034 960 F23300			
2 m	FA200/S7 400/SUBD37/573	1SNA 029 961 F2300	1SNA 034 961 R1000			
2,5 m						
3 m	FA300/S7 400/SUBD37/573	1SNA 029 963 F2500	1SNA 034 963 R1200			
4 m						
5 m	FA500/S7 400/SUBD37/573	1SNA 029 965 F2700	1SNA 034 965 R1400			

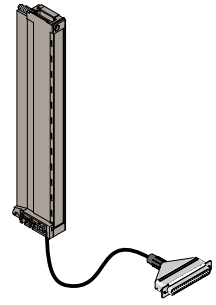
interfast 2
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



Safety board 32 I ANA



Safety board 16 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I ANA			Boards 16 I ANA		
6MD1031-0AA00-0AA0	Sub D 37		6MD1032-0AA00-0AA0	Sub D 37	
6MD1031-0BA00-0AA0	Sub D 37		6MD1032-0BA00-0AA0	Sub D 37	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/412	1SNA 029 590 R2400	1SNA 034 590 R1100	FA150/S7 400/SUBD37/413	1SNA 029 596 R1600	1SNA 034 596 R0300
2 m	FA200/S7 400/SUBD37/412	1SNA 029 591 R1100	1SNA 034 591 R0600	FA200/S7 400/SUBD37/413	1SNA 029 597 R1700	1SNA 034 597 R0400
2,5 m						
3 m	FA300/S7 400/SUBD37/412	1SNA 029 593 R1300	1SNA 034 593 R0000	FA300/S7 400/SUBD37/413	1SNA 029 599 R2100	1SNA 034 599 R1600
4 m						
5 m	FA500/S7 400/SUBD37/412	1SNA 029 595 R1500	1SNA 034 595 R0200	FA500/S7 400/SUBD37/413	1SNA 029 601 R0300	1SNA 034 601 R2000

Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

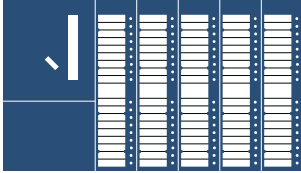
Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 3

Siemens PLC S7 400

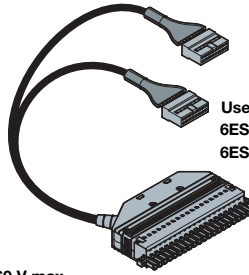
PLC board with built-in connector. Cable with Omnicontact connector



Board 32 I DIGITAL

Board 32 O DIGITAL

Board 16 I DIGITAL



Use with frontal connector :
6ES7921-4AA00-0AA0
6ES7921-4AB00-0AA0

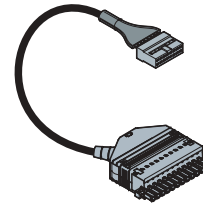
⁽¹⁾ To 60 V max.
Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL	2 3 6 7	16 Opto P
6ES7421-1BL01-0AA0	2 3 6 7	16 Opto P
Boards 32 O DIGITAL	2 3 6 7	16 Relays N / 16 Opto N
6ES7422-1BL00-0AA0	2 3 6 7	16 Relays N / 16 Opto N
6ES7422-7BL00-0AB0	2 3 6 7	16 Relays N / 16 Opto N
Boards 16 I DIGIT.	2 6	
6ES7421-7DH00-0AB0	2 6	
6ES7421-5EH00-0AA0 ⁽¹⁾	2 6	

Board 32 I DIGITAL

Board 32 O DIGITAL

Board 16 I DIGITAL



Use with frontal connector :
6ES7921-4AA00-0AA0
6ES7921-4AB00-0AA0

⁽¹⁾ To 60 V max.
Note : 4 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL	0 1 4 5	8 Opto P
6ES7421-1BL01-0AA0	0 1 4 5	8 Opto P
Boards 32 O DIGITAL	0 1 4 5	8 Relays N / 8 Opto N
6ES7422-1BL00-0AA0	0 1 4 5	8 Relays N / 8 Opto N
6ES7422-7BL00-0AB0	0 1 4 5	8 Relays N / 8 Opto N
Boards 16 I DIGIT.	0 4	
6ES7421-7DH00-0AB0	0 4	
6ES7421-5EH00-0AA0 ⁽¹⁾	0 4	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/2xHE10-16/OMN20/295/UL		1SNA 028 906 R24:00	LA150/HE10-16/OMN12/296/UL		1SNA 028 912 R11:00
2 m	LA200/2xHE10-16/OMN20/295/UL		1SNA 028 907 R25:00	LA200/HE10-16/OMN12/296/UL		1SNA 028 913 R12:00
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		1SNA 028 909 R07:00	LA300/HE10-16/OMN12/296/UL		1SNA 028 915 R14:00
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		1SNA 028 911 R10:00	LA500/HE10-16/OMN12/296/UL		1SNA 028 917 R16:00

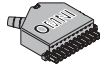
Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	1 HE 10/16 points

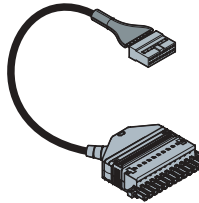
interfast 3

API Siemens S7 400

PLC board with built-in connector. Cable with Omnicontact connector



Board 16 O DIGITAL



Use with frontal connector :
6ES7921-4AC00-0AA0
6ES7921-4AD00-0AA0

⁽¹⁾ To 60 V max.
⁽²⁾ For 24 VDC only
Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL	0 1 4 5	8 Relays N ⁽²⁾ / 8 Opto N ⁽²⁾
6ES7422-1BH11-0AA0	0 1 4 5	8 Relays N ⁽²⁾ / 8 Opto N ⁽²⁾
6ES7422-5EH10-0AB0 ⁽¹⁾	0 4	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

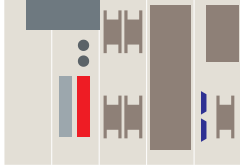
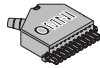
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/297/UL		1SNA 028 918 R27:00			
2 m	LA200/HE10-16/OMN12/297/UL		1SNA 028 919 R20:00			
2,5 m						
3 m	LA300/HE10-16/OMN12/297/UL		1SNA 028 921 R12:00			
4 m						
5 m	LA500/HE10-16/OMN12/297/UL		1SNA 028 923 R14:00			

Characteristics

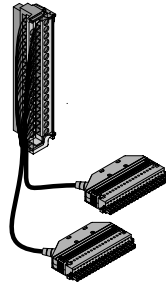
Type of interface connector	1 Omnicontact 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

interfast 2

Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I / 12 O DIGITAL



⁽¹⁾ For 16 I only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32S TOR		
TSX DEZ 32 D2	2 3 6 7	16 opto P	TSX DSZ 32 R5	2 3 6 7 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾
Boards 32 O DIGIT.					
TSX DSZ 32 T2	2 3 6 7	16 Relays N / 16 opto N			
Boards 16I / 12O DIGIT.					
TSX DMZ 28 DR	2 3 ⁽¹⁾ 6	16 opto ⁽¹⁾			
TSX DMZ 28 AR	2 6				

⁽¹⁾ For 24 VDC only

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

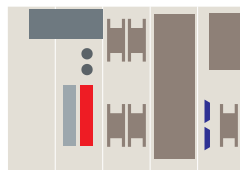
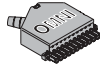
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/2xOMN20/133	1SNA 021 904 R1300	1SNA 027 904 R1100	FA150/TSX37/2xOMN20/574	1SNA 029 966 P2000	1SNA 034 966 P1500
2 m	FA200/TSX37/2xOMN20/133	1SNA 021 905 R1400	1SNA 027 905 R1200	FA200/TSX37/2xOMN20/574	1SNA 029 967 P2100	1SNA 034 967 P1600
2,5 m						
3 m	FA300/TSX37/2xOMN20/133	1SNA 021 907 R1600	1SNA 027 907 R1400	FA300/TSX37/2xOMN20/574	1SNA 029 969 P0300	1SNA 034 969 P2000
4 m						
5 m	FA500/TSX37/2xOMN20/133	1SNA 021 909 P2000	1SNA 027 909 P2600	FA500/TSX37/2xOMN20/574	1SNA 029 971 P2500	1SNA 034 971 P1200

Characteristics

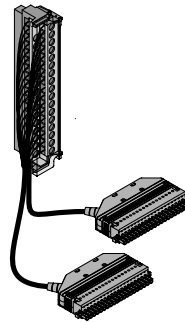
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ L01	TSX BLZ L01

interfast 2

Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 16 I / 12 O DIGITAL



Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 16I / 12O DIGIT.				Boards 12 I DIGITAL		
TSX DMZ 28 DT	2 3 6 7	16 opto P	12 Relays N	TSX DEZ 12 D2	2	16 opto

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

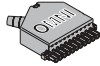
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/2xOMN20/132	1SNA 021 898 R1500	1SNA 027 898 R1300	FA150/TSX37/OMN20/134	1SNA 021 910 R1400	1SNA 027 910 P1200
2 m	FA200/TSX37/2xOMN20/132	1SNA 021 899 R1600	1SNA 027 899 R1400	FA200/TSX37/OMN20/134	1SNA 021 911 P0100	1SNA 027 911 P0700
2,5 m						
3 m	FA300/TSX37/2xOMN20/132	1SNA 021 901 R1000	1SNA 027 901 R1600	FA300/TSX37/OMN20/134	1SNA 021 913 P0300	1SNA 027 913 P0100
4 m						
5 m	FA500/TSX37/2xOMN20/132	1SNA 021 903 R1200	1SNA 027 903 R1000	FA500/TSX37/OMN20/134	1SNA 021 915 P0500	1SNA 027 915 P0300

Characteristics

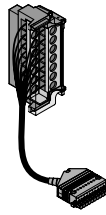
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ L01	TSX BLZ H01

interfast 2

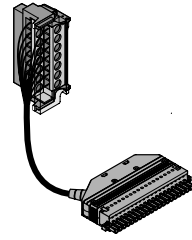
Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
TSX DEZ 08 A4			TSX DSZ 08 R5		
TSX DEZ 08 A5			Safety boards		
Boards 8 O DIGITAL			TSX DPZ 10 D2 A		
TSX DSZ 08 T2		8 Relays N / 8 opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

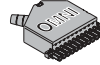
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/OMN12/136	1SNA 021 922 F0400	1SNA 027 922 F0200	FA150/TSX37/OMN20/135	1SNA 021 916 F0600	1SNA 027 916 F0400
2 m	FA200/TSX37/OMN12/136	1SNA 021 923 F0500	1SNA 027 923 F0300	FA200/TSX37/OMN20/135	1SNA 021 917 F0700	1SNA 027 917 F0500
2,5 m						
3 m	FA300/TSX37/OMN12/136	1SNA 021 925 F0700	1SNA 027 925 F0500	FA300/TSX37/OMN20/135	1SNA 021 919 F1100	1SNA 027 919 F1700
4 m						
5 m	FA500/TSX37/OMN12/136	1SNA 021 927 F0100	1SNA 027 927 F0700	FA500/TSX37/OMN20/135	1SNA 021 921 F0300	1SNA 027 921 F0100

Characteristics

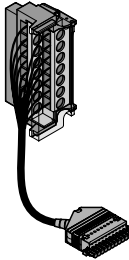
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01	TSX BLZ H01

interfast 2

Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 4 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O DIGITAL					
TSX DSZ 04 T22					

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

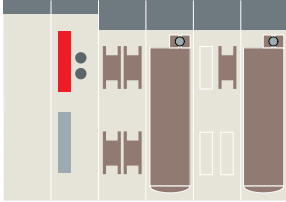
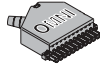
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/OMN12/136	1SNA 021 922 F0400	1SNA 027 922 F0200			
2 m	FA200/TSX37/OMN12/136	1SNA 021 923 F0500	1SNA 027 923 F0300			
2,5 m						
3 m	FA300/TSX37/OMN12/136	1SNA 021 925 F0700	1SNA 027 925 F0500			
4 m						
5 m	FA500/TSX37/OMN12/136	1SNA 021 927 F0100	1SNA 027 927 F0700			

Characteristics

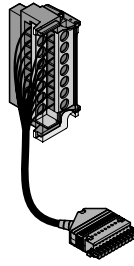
Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01

interfast 2

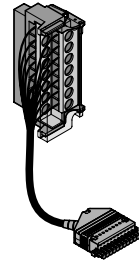
Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL



Board 4 I ANA Board 4 O ANA Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
TSX AEZ 801			TSX AEZ 414		
TSX AEZ 802			Boards 4 O ANA		
			TSX ASZ 401		
			Boards 2 O ANA		
			TSX ASZ 200		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/OMN12/555	1SNA 036 438 R1600	1SNA 037 438 R1700	FA150/TSX37/OMN12/557	1SNA 036 450 R2600	1SNA 037 450 R2700
2 m	FA200/TSX37/OMN12/555	1SNA 036 439 R1700	1SNA 037 439 R1000	FA200/TSX37/OMN12/557	1SNA 036 451 R1300	1SNA 037 451 R1400
2,5 m						
3 m	FA300/TSX37/OMN12/555	1SNA 036 441 R1100	1SNA 037 441 R1200	FA300/TSX37/OMN12/557	1SNA 036 453 R1500	1SNA 037 453 R1600
4 m						
5 m	FA500/TSX37/OMN12/555	1SNA 036 443 R1300	1SNA 037 443 R1400	FA500/TSX37/OMN12/557	1SNA 036 455 R1700	1SNA 037 455 R1000

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLZ H01	TSX BLZ H01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

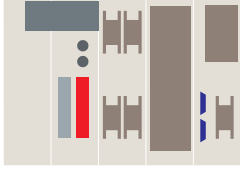
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

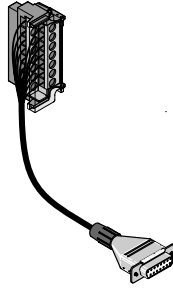
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector interface	

interfast 2

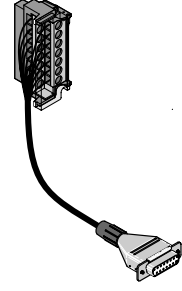
Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Sub D connectors



Board 8 I ANA



Board 4 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
TSX AEZ 801	Sub D 15		TSX AEZ 414	Sub D 15	
TSX AEZ 802	Sub D 15				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

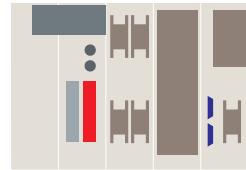
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/SUBD15/129	1SNA 021 880 R1700	1SNA 027 880 R1500	FA150/TSX37/SUBD15/130	1SNA 021 886 R0100	1SNA 027 886 R0700
2 m	FA200/TSX37/SUBD15/129	1SNA 021 881 R0400	1SNA 027 881 R0200	FA200/TSX37/SUBD15/130	1SNA 021 887 R0200	1SNA 027 887 R0000
2,5 m						
3 m	FA300/TSX37/SUBD15/129	1SNA 021 883 R0600	1SNA 027 883 R0400	FA300/TSX37/SUBD15/130	1SNA 021 889 R1400	1SNA 027 889 R1200
4 m						
5 m	FA500/TSX37/SUBD15/129	1SNA 021 885 R0000	1SNA 027 885 R0600	FA500/TSX37/SUBD15/130	1SNA 021 891 R0600	1SNA 027 891 R0400

Characteristics

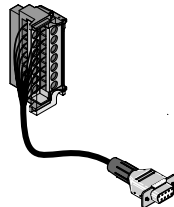
Type of interface connector	1 Sub D 15 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01	TSX BLZ H01

interfast 2

Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Sub D connectors



Board 4 O ANA Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
TSX ASZ 401	Sub D 9				
Boards 2 O ANA					
TSX ASZ 200	Sub D 9				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

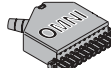
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/SUBD9/131	1SNA 021 892 R0700	1SNA 027 892 R0500			
2 m	FA200/TSX37/SUBD9/131	1SNA 021 893 R0000	1SNA 027 893 R0600			
2,5 m						
3 m	FA300/TSX37/SUBD9/131	1SNA 021 895 R0200	1SNA 027 895 R0000			
4 m						
5 m	FA500/TSX37/SUBD9/131	1SNA 021 897 R0400	1SNA 027 897 R0200			

Characteristics

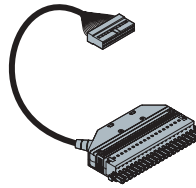
Type of interface connector	1 Sub D 9 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	TSX BLZ H01	

interfast 3

Télemécanique PLC TSX 37-MICRO
 PLC board with built-in
 connector. Cable HE 10/20
 connector to Omnicomnect



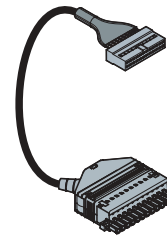
Board 32 I / 32 O DIGITAL Board 16 I / 12 O DIGITAL Board 12 I DIGITAL



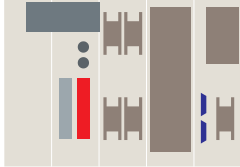
Connector	
HE 10/20	OMN 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

- (1) Note : 4 cables per PLC board
- (2) Note : 2 cables per PLC board
- (3) Note : 1 cable per PLC board
- (4) Consult us

Board 8 O DIGITAL



Connector	
HE 10/20	OMN 12
1	3
2	4
3	5
4	6
5	7
6	8
7	9
8	10
9	
10	
11	
12	
13	
14	
15	
16	
17	1
18	2
19	1
20	2



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of board		Reference with IEC cables	Reference with UL cables *
				Type of cable	Reference with IEC cables		
1 m	LA100/HE10-20/OMN20/661/UL		1SNA 039 000 P0200	LA100/HE10-20/OMN 12/207/UL	1SNA 037 598 P1000		1SNA 037 598 P1000
1,5 m	LA150/HE10-20/OMN20/661/UL		1SNA 039 001 P2700	LA150/HE10-20/OMN 12/207/UL	1SNA 028 504 P2100		1SNA 028 504 P2100
2 m	LA200/HE10-20/OMN20/661/UL		1SNA 039 002 P2000	LA200/HE10-20/OMN 12/207/UL	1SNA 028 505 P2200		1SNA 028 505 P2200
2,5 m							
3 m	LA300/HE10-20/OMN20/661/UL		1SNA 039 004 P2200	LA300/HE10-20/OMN 12/207/UL	1SNA 028 507 P2400		1SNA 028 507 P2400
4 m							
5 m	LA500/HE10-20/OMN20/661/UL		1SNA 039 006 P2400	LA500/HE10-20/OMN 12/207/UL	1SNA 028 509 P0600		1SNA 028 509 P0600

Characteristics

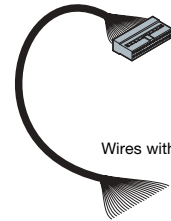
Type of interface connector	1 Omnicomnect 20 points	1 Omnicomnect 12 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

interfast 3

Télemécanique PLC TSX 37-MICRO
 PLC board with built-in
 connector. Cable HE 10/20
 connector with free wires.



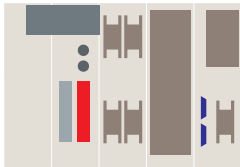
Board 32 I / 32 O DIGITAL Board 16 I / 12 O DIGITAL Board 12 I DIGITAL



Wires with ferrules

Connector	
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

- (1) Note : 4 cables per PLC board
- (2) Note : 2 cables per PLC board
- (3) Note : 1 cable per PLC board



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

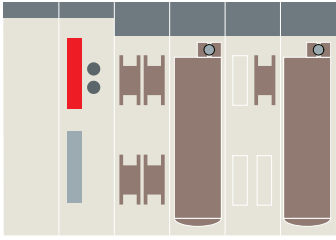
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of board		Reference with IEC cables	Reference with UL cables *
				Type of cable	Reference with IEC cables		
1 m	LAF100/HE10-20/UNI/662/UL		1SNA 039 007 P0600				
1,5 m	LAF150/HE10-20/UNI/662/UL		1SNA 039 008 P2500				
2 m	LAF200/HE10-20/UNI/662/UL		1SNA 039 009 P0600				
2,5 m							
3 m	LAF300/HE10-20/UNI/662/UL		1SNA 039 011 P0400				
4 m							
5 m	LAF500/HE10-20/UNI/662/UL		1SNA 039 013 P2200				

Characteristics

Type of interface connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE PLC TSX 57 PREMIUM



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

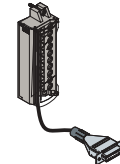
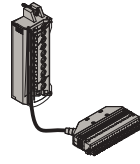
HDI High density range



STI standard range



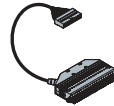
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



Sub D shielded cable



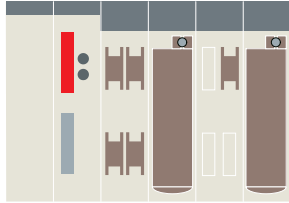
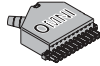
References

See opposite page See opposite page See opposite page See opposite page See opposite page See opposite page

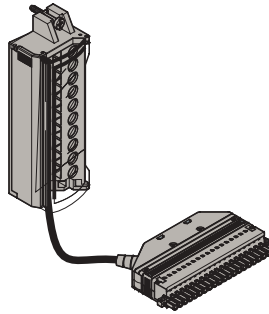
Boards 64 I DIGITAL						
TSX DEY 64 D2K					Page 67	
Boards 64 O DIGITAL						
TSX DSY 64 T2K					Page 67	
Boards 32 I DIGITAL						
TSX DEY 32 D2K					Page 67	
TSX DEY 32 D3K					Page 67	
Boards 32 O DIGITAL						
TSX DSY 32 T2K					Page 67	
Boards 16/ 12O DIGITAL						
TSX DMY 28 FK					Page 67	
TSX DMY 28 RFK					Page 67	
Boards 16 I DIGITAL						
TSX DEY 16FK					Page 67	
TSX DEY 16D2		Page 61				
TSX DEY 16D3		Page 61				
TSX DEY 16A2		Page 61				
TSX DEY 16A3		Page 61				
TSX DEY 16A4		Page 61				
TSX DEY 16A5		Page 61				
Boards 16 O DIGITAL						
TSX DSY 16T2		Page 61				
TSX DSY 16T3		Page 61				
TSX DSY 16R5		Page 61				
TSX DSY 16S4		Page 61				
TSX DSY 16S5		Page 61				
Boards 8 I DIGITAL						
TSX DEY 08D2		Page 62				
Boards 8 O DIGITAL						
TSX DSY 08T2		Page 62				
TSX DSY 08T22		Page 62				
TSX DSY 08T31		Page 62				
TSX DSY 08R5A		Page 62				
TSX DSY 08R4D		Page 62				
TSX DSY 08S5		Page 62				
TSX DSY 08R5		Page 63				
Boards 16 I ANA						
TSX AEY 1600					Page 68	Page 70
TSX AEY 1614					Page 69	Page 70
Boards 8 I TOR						
TSX AEY 800					Page 68	Page 70
TSX AEY 810					Page 68	Page 70
Boards 8 O ANA						
TSX ASY 800					Page 68	Page 70
Boards 4 I ANA						
TSX AEY 414		Page 64	Page 65			
TSX AEY 420					Page 69	Page 70
Boards 4 O ANA						
TSX ASY 410		Page 64	Page 66			

interfast 2

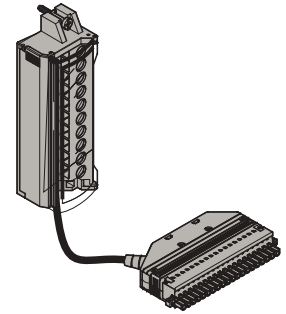
Télemécanique PLC TSX 57-PREMIUM
 Swing arm with cable and
 Omnicontact connectors



Board 16 I DIGITAL



Board 16 O DIGITAL



(1) 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGITAL		
TSX DEY 16D2	2 3	16 opto P	TSX DSY 16T2	2 3	16 opto N / 16 Relays N
TSX DEY 16D3	2		TSX DSY 16T3	2	16 opto N ⁽¹⁾ / 16 Relays N ⁽¹⁾
TSX DEY 16A2	2 3				
TSX DEY 16A3	2				
TSX DEY 16A4	2				
TSX DEY 16A5	2				

Wire markers optional:
 Consult us

Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

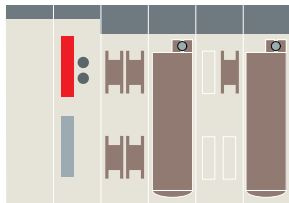
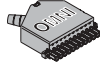
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/248	1SNA 026 636 R1200	1SNA 028 636 R2400	FA150/TSX57/OMN20/248	1SNA 026 636 R1200	1SNA 028 636 R2400
2 m	FA200/TSX57/OMN20/248	1SNA 026 637 R1300	1SNA 028 637 R2500	FA200/TSX57/OMN20/248	1SNA 026 637 R1300	1SNA 028 637 R2500
2,5 m						
3 m	FA300/TSX57/OMN20/248	1SNA 026 639 R2500	1SNA 028 639 R0700	FA300/TSX57/OMN20/248	1SNA 026 639 R2500	1SNA 028 639 R0700
4 m						
5 m	FA500/TSX57/OMN20/248	1SNA 026 641 R2700	1SNA 028 641 R0100	FA500/TSX57/OMN20/248	1SNA 026 641 R2700	1SNA 028 641 R0100

Characteristics

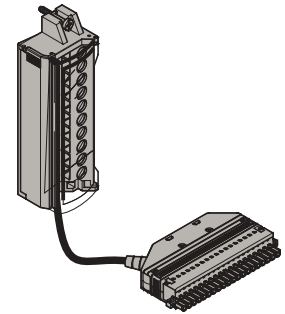
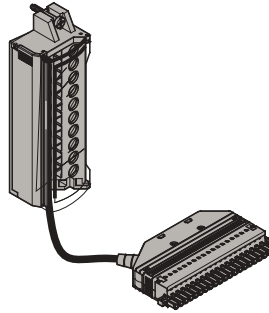
Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

Télemécanique PLC TSX 57-PREMIUM
 Swing arm with cable and
 Omnicontact connectors



Board 16 O DIGITAL



COMMON BY GROUP OF 8

(1) 24 V DC only

COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
TSX DSY 16R5	2 3 (1)	16 opto N/P ⁽¹⁾ / 16 relays N/P ⁽¹⁾	TSX DSY 16R5	2	
TSX DSY 16S4	2		TSX DSY 16S4	2	
TSX DSY 16S5	2		TSX DSY 16S5	2	

Wire markers optional:
 Consult us

Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

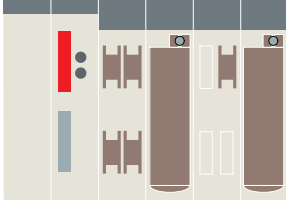
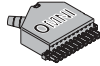
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/249	1SNA 026 642 R2000	1SNA 028 642 R0200	FA150/TSX57/OMN20/250	1SNA 026 648 R0600	1SNA 028 648 R1000
2 m	FA200/TSX57/OMN20/249	1SNA 026 643 R2100	1SNA 028 643 R0300	FA200/TSX57/OMN20/250	1SNA 026 649 R0700	1SNA 028 649 R1100
2,5 m						
3 m	FA300/TSX57/OMN20/249	1SNA 026 645 R2300	1SNA 028 645 R0500	FA300/TSX57/OMN20/250	1SNA 026 651 R2100	1SNA 028 651 R0300
4 m						
5 m	FA500/TSX57/OMN20/249	1SNA 026 647 R2500	1SNA 028 647 R0700	FA500/TSX57/OMN20/250	1SNA 026 653 R2300	1SNA 028 653 R0500

Characteristics

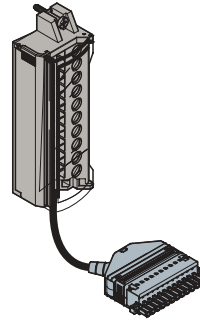
Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

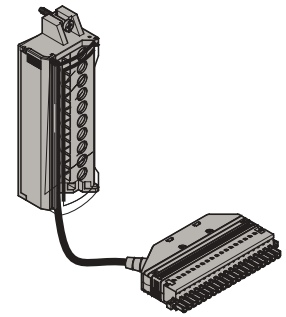
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
TSX DEY 08D2			TSX DSY 08R5A		
Boards 8 O DIGITAL			TSX DSY 08R4D		
TSX DSY 08T2		8 opto N / 8 Relays N			

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

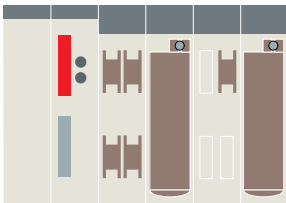
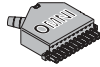
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/252	1SNA 026 852 P1300	1SNA 028 852 P2500	FA150/TSX57/OMN20/251	1SNA 026 654 P2400	1SNA 028 654 P0600
2 m	FA200/TSX57/OMN12/252	1SNA 026 853 P1400	1SNA 028 853 P2600	FA200/TSX57/OMN20/251	1SNA 026 655 P2500	1SNA 028 655 P0700
2,5 m						
3 m	FA300/TSX57/OMN12/252	1SNA 026 855 P1600	1SNA 028 855 P2000	FA300/TSX57/OMN20/251	1SNA 026 657 P2700	1SNA 028 657 P0100
4 m						
5 m	FA500/TSX57/OMN12/252	1SNA 026 857 P1000	1SNA 028 857 P2200	FA500/TSX57/OMN20/251	1SNA 026 659 P0100	1SNA 028 659 P1300

Characteristics

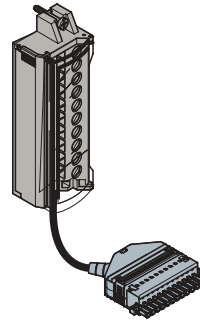
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

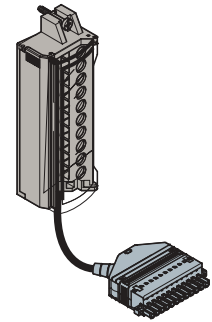
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Board 8 O DIGITAL



(1) 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
TSX DSY 08T22		8 opto N / 8 Relays N	TSX DSY 08S5		
TSX DSY 08T31		8 opto N(1) / 8 Relays N(1)			

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

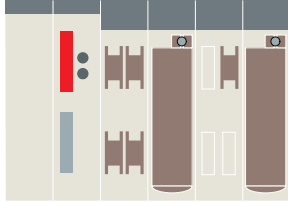
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/253	1SNA 026 660 P0600	1SNA 028 660 P1000	FA150/TSX57/OM12/254	1SNA 026 666 P2000	1SNA 028 666 P0200
2 m	FA200/TSX57/OMN12/253	1SNA 026 661 P2300	1SNA 028 661 P0500	FA200/TSX57/OM12/254	1SNA 026 667 P2100	1SNA 028 667 P0300
2,5 m						
3 m	FA300/TSX57/OMN12/253	1SNA 026 663 P2500	1SNA 028 663 P0700	FA300/TSX57/OM12/254	1SNA 026 669 P0300	1SNA 028 669 P1500
4 m						
5 m	FA500/TSX57/OMN12/253	1SNA 026 665 P2700	1SNA 028 665 P0100	FA500/TSX57/OM12/254	1SNA 026 671 P2500	1SNA 028 671 P0700

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

Télemécanique PLC TSX 57-PREMIUM
 Swing arm with cable and
 Omnicontact connectors



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

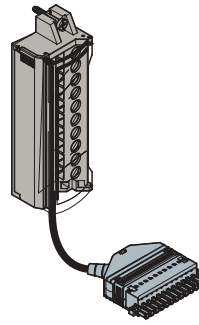
Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

Board 8 O DIGITAL



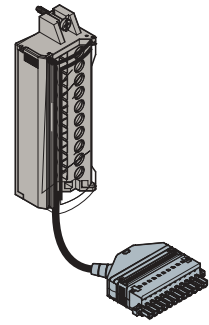
COMMON BY GROUP OF 8

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL		
TSX DSY 08R5	⁽¹⁾	8 relays N/P ⁽¹⁾ / 8 opto N/P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/TSX57/OMN12/255	1SNA 026 672 R2600	1SNA 028 672 R0000	FA150/TSX57/OMN12/586	1SNA 036 614 R1600
2 m	FA200/TSX57/OMN12/255	1SNA 026 673 R2700	1SNA 028 673 R0100	FA200/TSX57/OMN12/586	1SNA 036 615 R1700	1SNA 037 615 R1800
2,5 m						
3 m	FA300/TSX57/OMN12/255	1SNA 026 675 R2100	1SNA 028 675 R0300	FA300/TSX57/OMN12/586	1SNA 036 617 R1100	1SNA 037 617 R1200
4 m						
5 m	FA500/TSX57/OMN12/255	1SNA 026 677 R2300	1SNA 028 677 R0500	FA500/TSX57/OMN12/586	1SNA 036 619 R2300	1SNA 037 619 R2400

Board 8 O DIGITAL



COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL		
TSX DSY 08R5		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

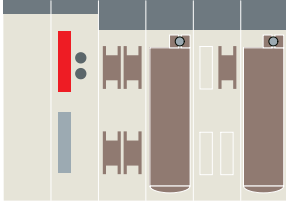
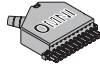
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

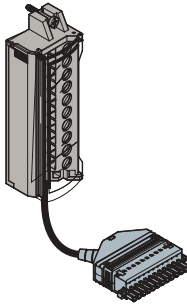
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

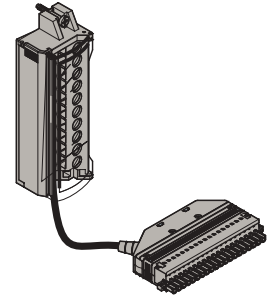
Télemécanique PLC TSX 57-PREMIUM
 Swing arm with cable and
 Omnicontact connectors



Board 4 I ANA Current / Voltage Board 4 O ANA



Board 4 E ANA RTD



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 4 I ANA		
TSX AEY 414	0		TSX AEY 414	2	
Boards 4 O ANA					
TSX ASY 410	0				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/560	1SNA 036 468 R2400	1SNA 037 468 R2500	FA150/TSX57/OMN20/561	1SNA 036 474 R1200	1SNA 037 474 R1300
2 m	FA200/TSX57/OMN12/560	1SNA 036 469 R2500	1SNA 037 469 R2600	FA200/TSX57/OMN20/561	1SNA 036 475 R1300	1SNA 037 475 R1400
2,5 m						
3 m	FA300/TSX57/OMN12/560	1SNA 036 471 R1700	1SNA 037 471 R1000	FA300/TSX57/OMN20/561	1SNA 036 477 R1500	1SNA 037 477 R1600
4 m						
5 m	FA500/TSX57/OMN12/560	1SNA 036 473 R1100	1SNA 037 473 R1200	FA500/TSX57/OMN20/561	1SNA 036 479 R2700	1SNA 037 479 R2000

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

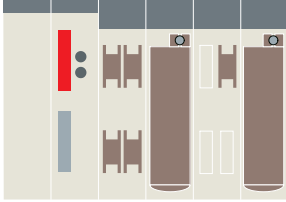
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

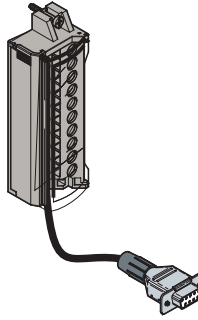
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

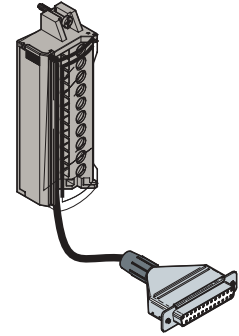
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 I ANA Current / Voltage



Board 4 I ANA RTD / Current / Voltage



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD9/243	1SNA 026 606 R2500	1SNA 028 606 R0700	FA150/TSX57/SubD25/244	1SNA 026 612 R1200	1SNA 028 612 R2400
2 m	FA200/TSX57/SubD9/243	1SNA 026 607 R2600	1SNA 028 607 R0000	FA200/TSX57/SubD25/244	1SNA 026 613 R1300	1SNA 028 613 R2500
2,5 m						
3 m	FA300/TSX57/SubD9/243	1SNA 026 609 R0000	1SNA 028 609 R1200	FA300/TSX57/SubD25/244	1SNA 026 615 R1500	1SNA 028 615 R2700
4 m						
5 m	FA500/TSX57/SubD9/243	1SNA 026 611 R1100	1SNA 028 611 R2300	FA500/TSX57/SubD25/244	1SNA 026 617 R1700	1SNA 028 617 R2100

Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

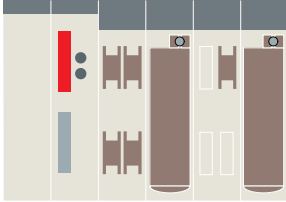
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

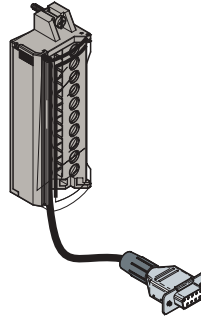
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector interface	

interfast 2

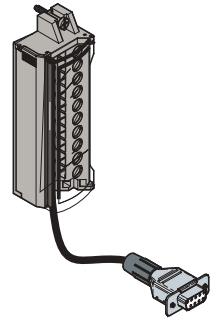
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 O ANA VOLTAGE



Board 4 O ANA CURRENT



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA			Boards 4 O ANA		
TSX ASY 410	Sub D 9		TSX ASY 410	Sub D 9	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

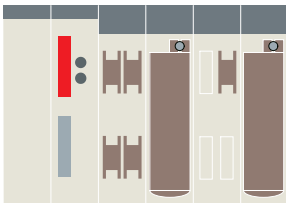
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD9/246	1SNA 026 624 R1600	1SNA 028 624 R2000	FA150/TSX57/SubD9/247	1SNA 026 630 R2000	1SNA 028 630 R0200
2 m	FA200/TSX57/SubD9/246	1SNA 026 625 R1700	1SNA 028 625 R2100	FA200/TSX57/SubD9/247	1SNA 026 631 R1500	1SNA 028 631 R2700
2,5 m						
3 m	FA300/TSX57/SubD9/246	1SNA 026 627 R1100	1SNA 028 627 R2300	FA300/TSX57/SubD9/247	1SNA 026 633 R1700	1SNA 028 633 R2100
4 m						
5 m	FA500/TSX57/SubD9/246	1SNA 026 629 R2300	1SNA 028 629 R0500	FA500/TSX57/SubD9/247	1SNA 026 635 R1100	1SNA 028 635 R2300

Characteristics

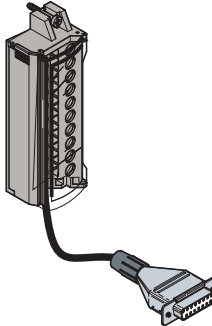
Type of interface connector	1 Sub D 9 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 O ANA CURRENT / VOLTAGE



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
TSX ASY 410	Sub D 15				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD15/245	1SNA 026 618 R2000	1SNA 028 618 R0200			
2 m	FA200/TSX57/SubD15/245	1SNA 026 619 R2100	1SNA 028 619 R0300			
2,5 m						
3 m	FA300/TSX57/SubD15/245	1SNA 026 621 R1300	1SNA 028 621 R2500			
4 m						
5 m	FA500/TSX57/SubD15/245	1SNA 026 623 R1500	1SNA 028 623 R2700			

Characteristics

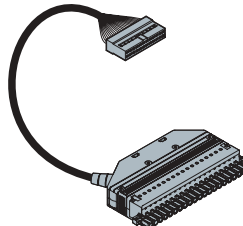
Type of interface connector	1 Sub D 15 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector interface	TSX BLY 01	

interfast 3

Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with HE 10/20 connector to Omnicomnect



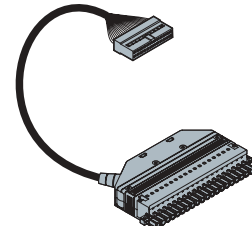
**Board 64 I DIGITAL
Board 32 I DIGITAL
Board 16 I DIGITAL**



Connector	
HE 10/20	OMNI 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

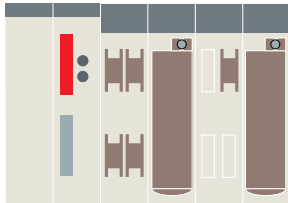
- ⁽¹⁾ Note : 4 cables per board
- ⁽²⁾ Note : 2 cables per board
- ⁽³⁾ Note : 1 cable per board

**Board 64 O DIGITAL
Board 32 O DIGITAL
Board 16I / 12O DIGIT.**



Connector	
HE 10/20	OMNI 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

- ⁽¹⁾ Note : 4 cables per board
- ⁽²⁾ Note : 2 cables per board
- ⁽³⁾ For 16 I DIGITAL only



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 64 I DIGITAL			Boards 64 O DIGITAL			
TSX DEY 64D2K ⁽¹⁾	2 3 6 7	16 opto P	TSX DSY 64T2K ⁽¹⁾	2 3 6 7	16 Relays N	16 opto N
Boards 32 I DIGITAL			Boards 32 O DIGITAL			
TSX DEY 32D2K ⁽²⁾	2 3 6 7	16 opto P	TSX DSY 32T2K ⁽²⁾	2 3 6 7	16 Relays N	16 opto N
TSX DEY 32D3K ⁽²⁾	2 6		Boards 16I/12O DIGITAL			
Boards 16 I DIGITAL			TSX DMY 28 FK ⁽²⁾	2 3 6 7	16 opto P	12 Relays N
TSX DEY 16FK ⁽³⁾	2 3	16 opto P	TSX DMY 28 RFK ⁽²⁾	5 3 6 7	16 opto P	12 Relays N

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		1SNA 039 000 P0200	LA100/HE10-20/OMN20/661/UL		1SNA 039 000 P0200
1,5 m	LA150/HE10-20/OMN20/661/UL		1SNA 039 001 P2700	LA150/HE10-20/OMN20/661/UL		1SNA 039 001 P2700
2 m	LA200/HE10-20/OMN20/661/UL		1SNA 039 002 P2000	LA200/HE10-20/OMN20/661/UL		1SNA 039 002 P2000
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL		1SNA 039 004 P2200	LA300/HE10-20/OMN20/661/UL		1SNA 039 004 P2200
4 m						
5 m	LA500/HE10-20/OMN20/661/UL		1SNA 039 006 P2400	LA500/HE10-20/OMN20/661/UL		1SNA 039 006 P2400

Characteristics

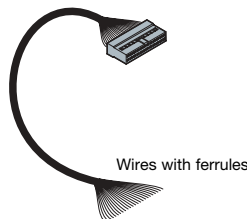
Type of interface connector	1 Omnicomnect 20 points	1 Omnicomnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

interfast 3

Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with HE 10/20 connector with free wires.



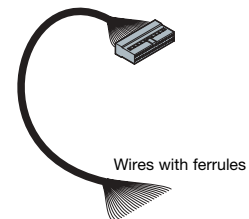
**Board 64 I DIGITAL
Board 32 I DIGITAL
Board 16 I DIGITAL**



Connector	
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

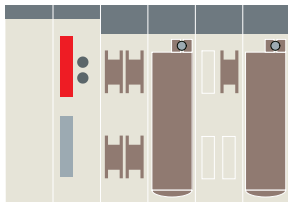
- ⁽¹⁾ Note : 4 cables per board
- ⁽²⁾ Note : 2 cables per board
- ⁽³⁾ Note : 1 cable per board

**Board 64 O DIGITAL
Board 32 O DIGITAL
Board 16 I / 12 O DIGITAL**



Connector	
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

- ⁽¹⁾ Note : 4 cables per board
- ⁽²⁾ Note : 2 cables per board



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
TSX DEY 64D2K ⁽¹⁾			TSX DSY 64T2K ⁽¹⁾		
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
TSX DEY 32D2K ⁽²⁾			TSX DSY 32T2K ⁽²⁾		
TSX DEY 32D3K ⁽²⁾			Boards 16I/12O DIGITAL		
Boards 16 I DIGITAL			TSX DMY 28 FK ⁽²⁾		
TSX DEY 16FK ⁽³⁾			TSX DMY 28 RFK ⁽²⁾		

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

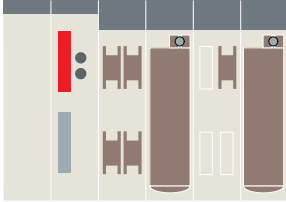
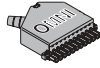
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662/UL		1SNA 039 007 P0600	LAF100/HE10-20/UNI/662/UL		1SNA 039 007 P0600
1,5 m	LAF150/HE10-20/UNI/662/UL		1SNA 039 008 P2500	LAF150/HE10-20/UNI/662/UL		1SNA 039 008 P2500
2 m	LAF200/HE10-20/UNI/662/UL		1SNA 039 009 P0600	LAF200/HE10-20/UNI/662/UL		1SNA 039 009 P0600
2,5 m						
3 m	LAF300/HE10-20/UNI/662/UL		1SNA 039 011 P0400	LAF300/HE10-20/UNI/662/UL		1SNA 039 011 P0400
4 m						
5 m	LAF500/HE10-20/UNI/662/UL		1SNA 039 013 P2200	LAF500/HE10-20/UNI/662/UL		1SNA 039 013 P2200

Characteristics

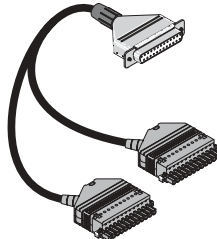
Type of interface connector	Free wires with ferrules	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

interfast 3

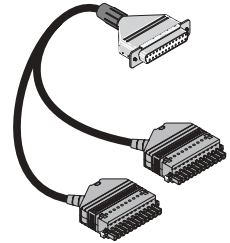
Télemécanique PLC TSX 57-PREMIUM
PLC board with built-in
connector. Cables with
connector to omniconnect



**Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Current / Voltage**



**Board 8 I ANA
Current / Voltage**



⁽¹⁾ Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA TSX AEY 1600 ⁽¹⁾			Boards 8 I ANA TSX AEY 810		
Boards 8 I ANA TSX AEY 800					
Boards 8 O ANA TSX ASY 800					

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

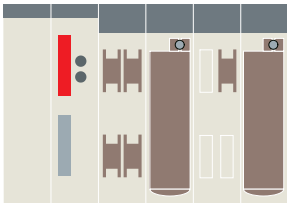
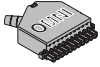
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/2xOMN12/578	1SNA 036 546 R1200	1SNA 037 546 R1300	LA150/SUBD25M/2xOMN12/583	1SNA 036 586 R0300	1SNA 037 586 R0400
2 m	LA200/SUBD25M/2xOMN12/578	1SNA 036 547 R1300	1SNA 037 547 R1400	LA200/SUBD25M/2xOMN12/583	1SNA 036 587 R0400	1SNA 037 587 R0500
2,5 m						
3 m	LA300/SUBD25M/2xOMN12/578	1SNA 036 549 R2500	1SNA 037 549 R2600	LA300/SUBD25M/2xOMN12/583	1SNA 036 589 R1600	1SNA 037 589 R1700
4 m						
5 m	LA500/SUBD25M/2xOMN12/578	1SNA 036 551 R1700	1SNA 037 551 R1000	LA500/SUBD25M/2xOMN12/583	1SNA 036 591 R0000	1SNA 037 591 R0100

Characteristics

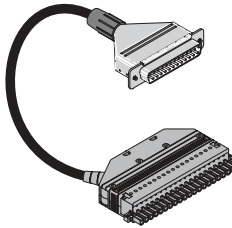
Type of interface connector	2 omniconnect 12 points	2 omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

interfast 2

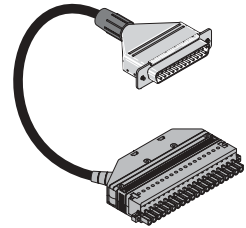
Télemécanique PLC TSX 57-PREMIUM
PLC board with built-in
connector. Cables with
connector to omniconnect



**Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Voltage**



**Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Current**



⁽¹⁾ Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA TSX AEY 1600 ⁽¹⁾			Boards 16 I ANA TSX AEY 1600 ⁽¹⁾		
Boards 8 I ANA TSX AEY 800			Boards 8 I ANA TSX AEY 800		
TSX AEY 810			TSX AEY 810		
Boards 8 O ANA TSX ASY 800			Boards 8 O ANA TSX ASY 800		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

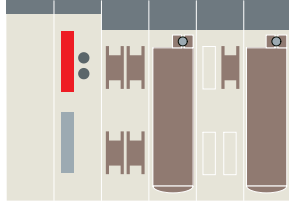
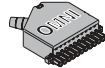
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/OMN20/579	1SNA 036 620 R2000	1SNA 037 620 R2100	LA150/SUBD25M/OMN20/580	1SNA 036 568 R2000	1SNA 037 568 R2100
2 m	LA200/SUBD25M/OMN20/579	1SNA 036 621 R1500	1SNA 037 621 R1600	LA200/SUBD25M/OMN20/580	1SNA 036 569 R2100	1SNA 037 569 R2200
2,5 m						
3 m	LA300/SUBD25M/OMN20/579	1SNA 036 565 R1500	1SNA 037 565 R1600	LA300/SUBD25M/OMN20/580	1SNA 036 571 R1300	1SNA 037 571 R1400
4 m						
5 m	LA500/SUBD25M/OMN20/579	1SNA 036 567 R1700	1SNA 037 567 R1000	LA500/SUBD25M/OMN20/580	1SNA 036 573 R1500	1SNA 037 573 R1600

Characteristics

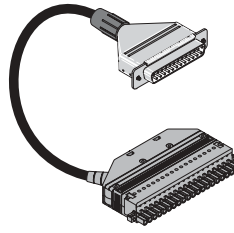
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² -AWG 24	0,22mm ² -AWG 24
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

interfast 3

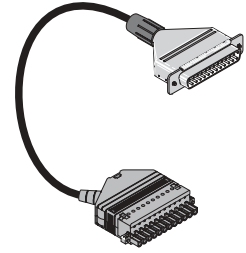
Télemécanique PLC TSX 57-PREMIUM
 PLC board with built-in connector. Cables with connector to omniconnect



Board 16 I ANA



Board 4 I ANA



⁽¹⁾ Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 4 I ANA		
TSX AEY 1614 ⁽¹⁾	2		TSX AEY 420	0	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/OMN20/581	1SNA 036 574 R1600	1SNA 037 574 R1700	LA150/TSX57/OMN12/582	1SNA 036 580 R1100	1SNA 037 580 R1200
2 m	LA200/SUBD25M/OMN20/581	1SNA 036 575 R1700	1SNA 037 575 R1000	LA200/TSX57/OMN12/582	1SNA 036 581 R0600	1SNA 037 581 R0700
2,5 m						
3 m	LA300/SUBD25M/OMN20/581	1SNA 036 577 R1100	1SNA 037 577 R1200	LA300/TSX57/OMN12/582	1SNA 036 583 R0000	1SNA 037 583 R0100
4 m						
5 m	LA500/SUBD25M/OMN20/581	1SNA 036 579 R2300	1SNA 037 579 R2400	LA500/TSX57/OMN12/582	1SNA 036 585 R0200	1SNA 037 585 R0300

Characteristics

Type of interface connector	1 omniconnect 20 points	1 omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

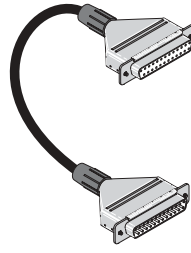
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector interface	

interfast 3

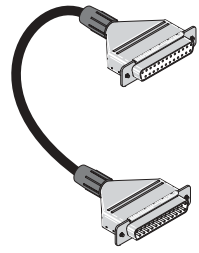
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



Board 16 I ANA Board 8 I ANA Board 8 O ANA

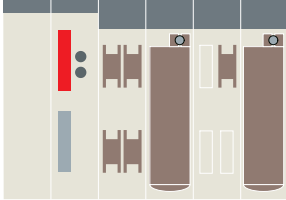


Board 4 E ANA Current or Voltage Input



⁽¹⁾ Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 4 I ANA		
TSX AEY 1600 ⁽¹⁾	Sub D 25		TSX AEY 420	Sub D 25	
TSX AEY 1614 ⁽¹⁾	Sub D 25				
Boards 8 I ANA					
TSX AEY 800	Sub D 25				
TSX AEY 810	Sub D 25				
Boards 8 O ANA					
TSX ASY 800	Sub D 25				



■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD25F/289	1SNA 026 870 R2100	1SNA 028 870 R0300	LA150/SubD25M/SubD25F/289	1SNA 026 870 R2100	1SNA 028 870 R0300
2 m	LA200/SubD25M/SubD25F/289	1SNA 026 871 R1600	1SNA 028 871 R2000	LA200/SubD25M/SubD25F/289	1SNA 026 871 R1600	1SNA 028 871 R2000
2,5 m						
3 m	LA300/SubD25M/SubD25F/289	1SNA 026 873 R1000	1SNA 028 873 R2200	LA300/SubD25M/SubD25F/289	1SNA 026 873 R1000	1SNA 028 873 R2200
4 m						
5 m	LA500/SubD25M/SubD25F/289	1SNA 026 875 R1200	1SNA 028 875 R2400	LA500/SubD25M/SubD25F/289	1SNA 026 875 R1200	1SNA 028 875 R2400

Characteristics

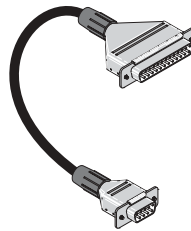
Type of interface connector	1 Sub D 25 female points	1 Sub D 25 points female
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - AWG 22 blindé
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points mâle	1 Sub D 25 points mâle

interfast 3

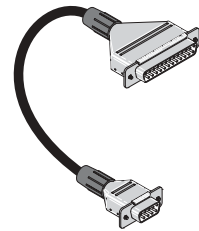
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



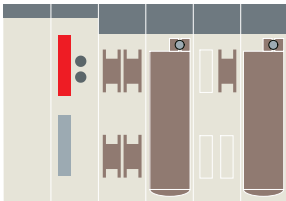
Board 4 E ANA Current Input



Board 4 E ANA Voltage Input



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 E ANA			Boards 4 E ANA		
TSX AEY 420	Sub D 9		TSX AEY 420	Sub D 9	



■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

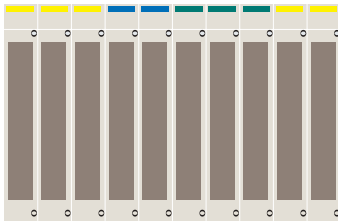
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD9F/479	1SNA 029 942 R2000	1SNA 034 942 R1500	LA150/SubD25M/SubD9F/480	1SNA 029 948 R0600	1SNA 034 948 R2300
2 m	LA200/SubD25M/SubD9F/479	1SNA 029 943 R2100	1SNA 034 943 R1600	LA200/SubD25M/SubD9F/480	1SNA 029 949 R0700	1SNA 034 949 R2400
2,5 m						
3 m	LA300/SubD25M/SubD9F/479	1SNA 029 945 R2300	1SNA 034 945 R1000	LA300/SubD25M/SubD9F/480	1SNA 029 951 R2100	1SNA 034 951 R1600
4 m						
5 m	LA500/SubD25M/SubD9F/479	1SNA 029 947 R2500	1SNA 034 947 R1200	LA500/SubD25M/SubD9F/480	1SNA 029 953 R2300	1SNA 034 953 R1000

Characteristics

Type of interface connector	1 Sub D 9 points female	1 Sub D 9 points female
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points mâle	1 Sub D 25 points mâle

CONNECTION TECHNOLOGY SELECTION GUIDE

AEG Modicon TSX PLC Quantum



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

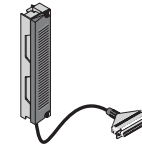
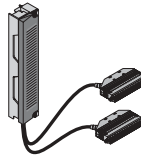
HDI High density range



STI standard range



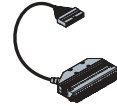
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

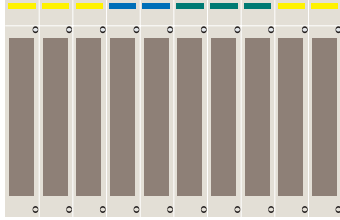
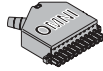


References

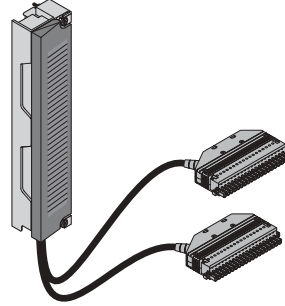
See opposite page See opposite page See opposite page See opposite page See opposite page See opposite page

Boards 96 I DIGITAL						
140 DDI 36400					Page 79	
Boards 96 O DIGITAL						
140 DDO 36400					Page 79	
Boards 32 I DIGITAL						
140 DAI 55300		Page 72				
140 DDI 35300		Page 72				
140 DDI 85300		Page 72				
140 DDI 15310		Page 72				
140 DAI 35300		Page 72				
140 DAI 45300		Page 72				
140 DDI 35310		Page 72				
140 DAI 75300		Page 72				
140 DSI 35300		Page 72				
Boards 32 O DIGITAL						
140 DDO 35300		Page 72				
140 DDO 35310		Page 72				
140 DAO 85300		Page 72				
140 DDO 15310		Page 72				
140 DVO 85300		Page 72				
Boards 24 I DIGITAL						
140 DDI 67300		Page 73				
Boards 16 I DIGITAL						
140 DAI 54000		Page 73				
140 DAI 74000		Page 73				
140 DDI 84100		Page 73				
140 DAI 54300		Page 73				
140 DAI 34000		Page 73				
140 DAI 44000		Page 73				
Boards 16 I / 8 O DIGITAL						
140 DDM 39000		Page 72				
140 DAM 59000		Page 72				
Boards 16 O DIGITAL						
140 DAO 84000		Page 73				
140 DRA 84000		Page 73				
140 DAO 84010		Page 73				
140 DAO 84210		Page 74				
140 DAO 84220		Page 74				
140 DDO 84300		Page 73				
Boards 12 O DIGITAL						
140 DDO 88500		Page 74				
Boards 8 O DIGITAL						
140 DRC 83000		Page 74				
Boards 16I ANA						
140 ACI 04000		Page 75	Page 77			
Boards 8 I ANA						
140 ACI 03000		Page 75	Page 77			
140 AVI 03000		Page 75	Page 77			
140 ARI 03000		Page 75	Page 77			
140 ARI 03010		Page 75	Page 77			
Boards 8 O ANA						
140 ACO 13000		Page 75	Page 77			
Boards 4 I ANA / 2 O ANA						
140 AMM 09000		Page 76	Page 78			
Boards 4 O ANA						
140 ACO 02000		Page 76	Page 78			
140 AVO 02000		Page 75	Page 78			

interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



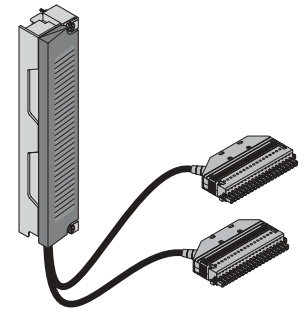
Board 32 I DIGITAL



⁽¹⁾ For 24 VDC only
⁽²⁾ Positive common

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
140 DAI 55300	2 6	
140 DDI 35300	2 3 6 7	16 opto P
140 DDI 85300	2 3 (1) 6 7 (1)	16 opto P (1)
140 DAI 35300	2 6	
140 DDI 15310	2 6	
140 DAI 45300	2 6	
140 DDI 35310 (2)	2 3 6 7	16 opto N
140 DAI 75300	2 6	
140 DSI 35300	2 3 6 7	16 opto P

Board 32 O DIGITAL



⁽¹⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 32 O DIGITAL		
140 DDO 35300	2 3 6 7	16 relays N / 16 opto N
140 DDO 35310 (1)	2 3 6 7	16 relays P / 16 opto P
140 DAO 85300	2 6	
140 DDO 15310	2 6	
140 DVO 85300	2 3 6 7	16 relays N / 16 opto N

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

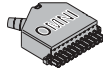
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	1SNA 029 996 R1700	1SNA 034 996 R0400	FA100/Quantum/2xOMN20/001	1SNA 029 996 R1700	1SNA 034 996 R0400
1,5 m	FA150/Quantum/2xOMN20/001	1SNA 021 526 R0700	1SNA 027 526 R0500	FA150/Quantum/2xOMN20/001	1SNA 021 526 R0700	1SNA 027 526 R0500
2 m	FA200/Quantum/2xOMN20/001	1SNA 021 527 R0000	1SNA 027 527 R0600	FA200/Quantum/2xOMN20/001	1SNA 021 527 R0000	1SNA 027 527 R0600
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	1SNA 021 529 R1200	1SNA 027 529 R1000	FA300/Quantum/2xOMN20/001	1SNA 021 529 R1200	1SNA 027 529 R1000
4 m						
5 m	FA500/Quantum/2xOMN20/001	1SNA 021 531 R0400	1SNA 027 531 R0200	FA500/Quantum/2xOMN20/001	1SNA 021 531 R0400	1SNA 027 531 R0200

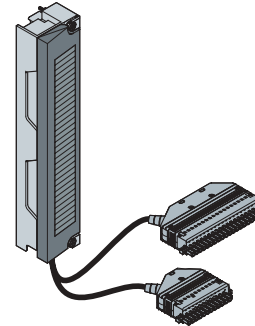
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



Board 16 I / 8 O DIGITAL



OUTPUT COMMON BY GROUP OF 4

OUTPUT COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16I / 8O DIG.			Boards 16I/8O DIG.		
140 DAM 59000	0 and 2		140 DDM 39000	0 and 2 or 1 and 3	8 relays N/P / 8 opto N/P
140 DDM 39000	0 and 2				

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

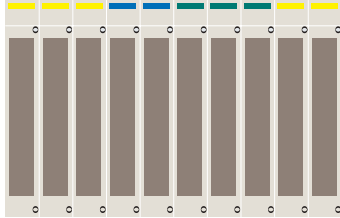
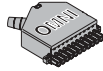
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/OMN12+OMN20/218	1SNA 026 444 R1200	1SNA 028 444 R2400	FA150/Quantum/OMN12+OMN20/219	1SNA 026 450 R2400	1SNA 028 450 R0600
2 m	FA200/Quantum/OMN12+OMN20/218	1SNA 026 445 R1300	1SNA 028 445 R2500	FA200/Quantum/OMN12+OMN20/219	1SNA 026 451 R1100	1SNA 028 451 R2300
2,5 m						
3 m	FA300/Quantum/OMN12+OMN20/218	1SNA 026 447 R1500	1SNA 028 447 R2700	FA300/Quantum/OMN12+OMN20/219	1SNA 026 453 R1300	1SNA 028 453 R2500
4 m						
5 m	FA500/Quantum/OMN12+OMN20/218	1SNA 026 449 R2700	1SNA 028 449 R0100	FA500/Quantum/OMN12+OMN20/219	1SNA 026 455 R1500	1SNA 028 455 R2700

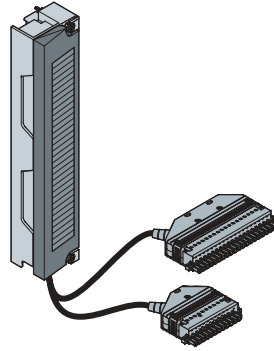
Characteristics

Type of interface connector	1 Omniconnect 12 points + 1 Omniconnect 20 points	1 Omniconnect 12 points + 1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

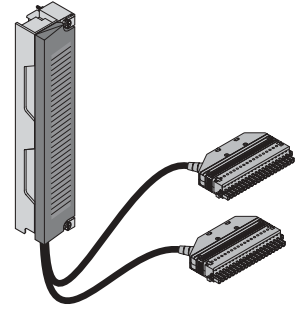
interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



Board 24 I DIGITAL



Board 16 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 16 I DIGITAL		
140 DDI 67300	0 and 2		140 DAI 54000	2 6	
			140 DAI 74000	2 6	
			140 DDI 84100	2 6	
			140 DAI 34000	2 6	
			140 DAI 44000	2 6	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

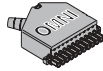
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m				FA100/Quantum/2xOMN20/001	1SNA 029 996 R1700	1SNA 034 996 R0400
1,5 m	FA150/Quantum/OMN20+OMN12/414	1SNA 029 602 R0400	1SNA 034 602 R2100	FA150/Quantum/2xOMN20/001	1SNA 021 526 R0700	1SNA 027 526 R0500
2 m	FA200/Quantum/OMN20+OMN12/414	1SNA 029 603 R0500	1SNA 034 603 R2200	FA200/Quantum/2xOMN20/001	1SNA 021 527 R0000	1SNA 027 527 R0600
2,5 m						
3 m	FA300/Quantum/OMN20+OMN12/414	1SNA 029 605 R0700	1SNA 034 605 R2400	FA300/Quantum/2xOMN20/001	1SNA 021 529 R1200	1SNA 027 529 R1000
4 m						
5 m	FA500/Quantum/OMN20+OMN12/414	1SNA 029 607 R0100	1SNA 034 607 R2600	FA500/Quantum/2xOMN20/001	1SNA 021 531 R0400	1SNA 027 531 R0200

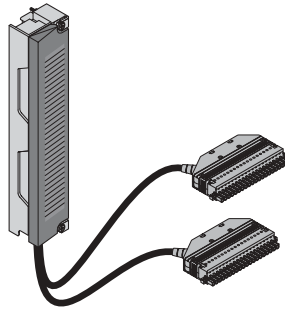
Characteristics

Type of interface connector	1 Omniconnect 20 points + 1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

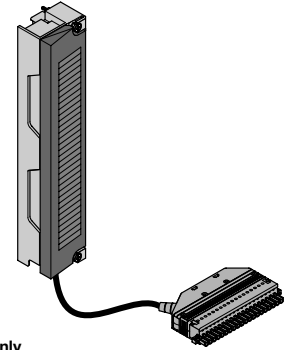
interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 I DIGITAL		
140 DAO 84000	2 6		140 DAI 54300	2	
140 DAO 84010	2 6		Boards 16 O DIGITAL		
140 DRA 84000	2 6		140 DDO 84300	2 3 (1)	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

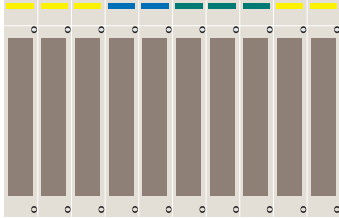
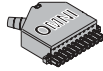
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	1SNA 029 996 R1700	1SNA 034 996 R0400	FA150/Quantum/OMN20/003	1SNA 021 538 R1300	1SNA 027 538 R1100
1,5 m	FA150/Quantum/2xOMN20/001	1SNA 021 526 R0700	1SNA 027 526 R0500	FA200/Quantum/OMN20/003	1SNA 021 539 R1400	1SNA 027 539 R1200
2 m	FA200/Quantum/2xOMN20/001	1SNA 021 527 R0000	1SNA 027 527 R0600			
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	1SNA 021 529 R1200	1SNA 027 529 R1000	FA300/Quantum/OMN20/003	1SNA 021 541 R1600	1SNA 027 541 R1400
4 m						
5 m	FA500/Quantum/2xOMN20/001	1SNA 021 531 R0400	1SNA 027 531 R0200	FA500/Quantum/OMN20/003	1SNA 021 543 R1000	1SNA 027 543 R1600

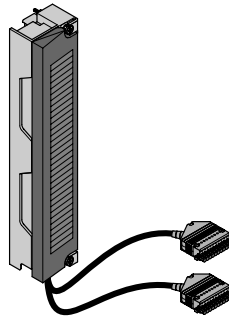
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

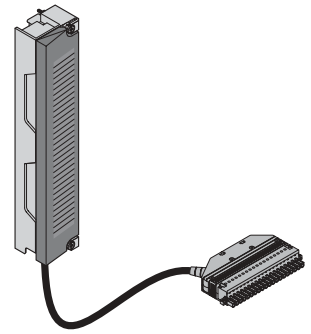
interfast 2
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 12 O DIG.		
140 DAO 84210	0 4		140 DDO 88500	2 3 ⁽¹⁾	12 Relays N/P ⁽¹⁾
140 DAO 84220	0 4				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

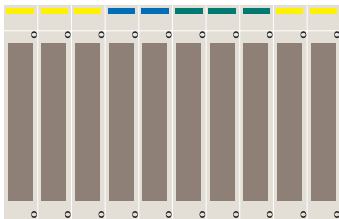
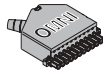
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/2xOMN12/002	1SNA 021 532 P0500	1SNA 027 532 P0300	FA150/Quantum/OMN20/430	1SNA 029 666 P0300	1SNA 034 666 P2000
2 m	FA200/Quantum/2xOMN12/002	1SNA 021 533 P0600	1SNA 027 533 P0400	FA200/Quantum/OMN20/430	1SNA 029 667 P0400	1SNA 034 667 P2100
2,5 m						
3 m	FA300/Quantum/2xOMN12/002	1SNA 021 535 P0000	1SNA 027 535 P0600	FA300/Quantum/OMN20/430	1SNA 029 669 P1600	1SNA 034 669 P0300
4 m						
5 m	FA500/Quantum/2xOMN12/002	1SNA 021 537 P0200	1SNA 027 537 P0000	FA500/Quantum/OMN20/430	1SNA 029 671 P0000	1SNA 034 671 P2500

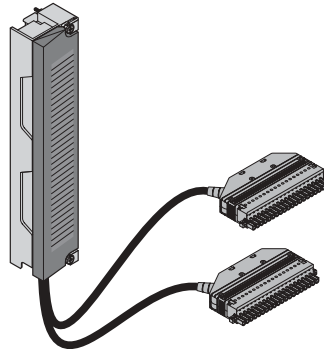
Characteristics

Type of interface connector	2 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL					
140 DRC 83000	2 6				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

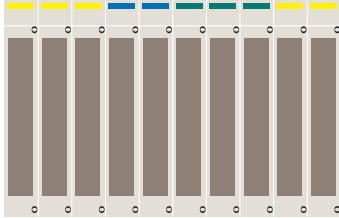
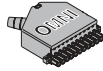
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/2xOMN20/004	1SNA 021 544 P1100	1SNA 027 544 P1700			
2 m	FA200/Quantum/2xOMN20/004	1SNA 021 545 P1200	1SNA 027 545 P1000			
2,5 m						
3 m	FA300/Quantum/2xOMN20/004	1SNA 021 547 P1400	1SNA 027 547 P1200			
4 m						
5 m	FA500/Quantum/2xOMN20/004	1SNA 021 549 P2600	1SNA 027 549 P2400			

Characteristics

Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200

interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



■ Wire markers optional:
Consult us

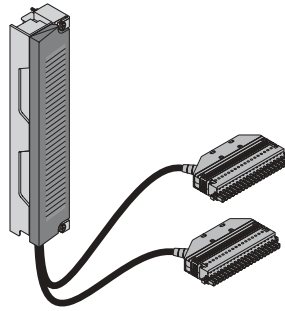
■ Accessories:
see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	2 Omniconnect 20 points	1 omniconnect 20 pts and 1 omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 16 I ANA

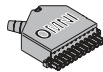


⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
140 ACI 04000			140 ACI 03000		
			140 AVI 03000		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	1SNA 029 996 R1700	1SNA 034 996 R0400			
1,5 m	FA150/Quantum/2xOMN20/001	1SNA 021 526 R0700	1SNA 027 526 R0500	FA150/Quantum/OMN20+OMN12/571	1SNA 036 534 R0600	1SNA 037 534 R0700
2 m	FA200/Quantum/2xOMN20/001	1SNA 021 527 R0000	1SNA 027 527 R0600	FA200/Quantum/OMN20+OMN12/571	1SNA 036 535 R0700	1SNA 037 535 R0800
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	1SNA 021 529 R1200	1SNA 027 529 R1000	FA300/Quantum/OMN20+OMN12/571	1SNA 036 537 R0100	1SNA 037 537 R0200
4 m						
5 m	FA500/Quantum/2xOMN20/001	1SNA 021 531 R0400	1SNA 027 531 R0200	FA500/Quantum/OMN20+OMN12/571	1SNA 036 539 R1300	1SNA 037 539 R1400

interfast 2 TSX PLC Quantum Swing arm with cable and Omniconnect connectors



■ Wire markers optional:
Consult us

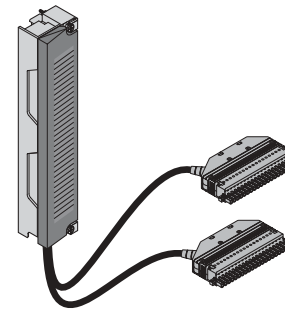
■ Accessories:
see section on ACCESSORIES

*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	2 omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 8 I ANA Board 4 O ANA

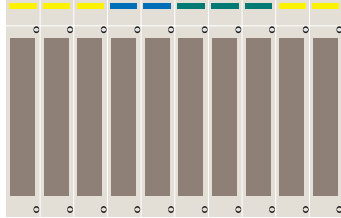
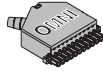


⁽¹⁾ For these references only :
1SNA 031 000 R2200, 1SNA 021 020 R1300, 1SNA 032 120 R1700

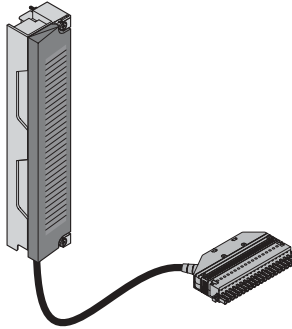
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 O ANA		
140 ARI 03000			140 ACO 13000		
140 ARI 03010					
Board 4 O ANA					
140 AVO 02000					

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/2xOMN20/572	1SNA 036 540 R2000	1SNA 037 540 R2100	FA150/Quantum/2xOMN12/585	1SNA 036 608 R0100	1SNA 037 608 R0200
2 m	FA200/Quantum/2xOMN20/572	1SNA 036 541 R1500	1SNA 037 541 R1600	FA200/Quantum/2xOMN12/585	1SNA 036 609 R0200	1SNA 037 609 R0300
2,5 m						
3 m	FA300/Quantum/2xOMN20/572	1SNA 036 543 R1700	1SNA 037 543 R1000	FA300/Quantum/2xOMN12/585	1SNA 036 611 R1300	1SNA 037 611 R1400
4 m						
5 m	FA500/Quantum/2xOMN20/572	1SNA 036 545 R1100	1SNA 037 545 R1200	FA500/Quantum/2xOMN12/585	1SNA 036 613 R1500	1SNA 037 613 R1600

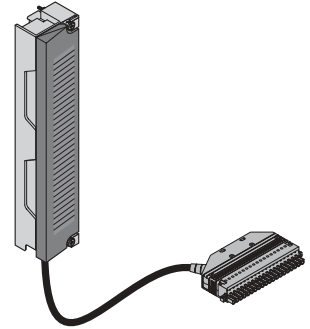
interfast 2
TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



Board 4 O ANA



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA			Boards 4 I / 2 O ANA		
140 ACO 02000	2		140 AMM 09000	2	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

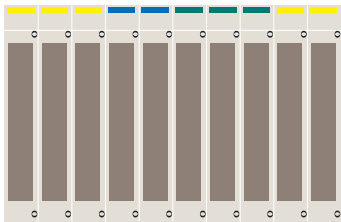
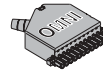
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/OMN20/570	1SNA 036 528 R1000	1SNA 037 528 R1100	FA150/Quantum/OMN20/663	1SNA 038 020 R2400	1SNA 039 020 R2500
2 m	FA200/Quantum/OMN20/570	1SNA 036 529 R1100	1SNA 037 529 R1200	FA200/Quantum/OMN20/663	1SNA 038 021 R1100	1SNA 039 021 R1200
2,5 m						
3 m	FA300/Quantum/OMN20/570	1SNA 036 531 R0300	1SNA 037 531 R0400	FA300/Quantum/OMN20/663	1SNA 038 023 R1300	1SNA 039 023 R1400
4 m						
4 m						
5 m	FA500/Quantum/OMN20/570	1SNA 036 533 R0500	1SNA 037 533 R0600	FA500/Quantum/OMN20/663	1SNA 038 025 R1500	1SNA 039 025 R1600

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22AWG	0,22mm ² - 22AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2
TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

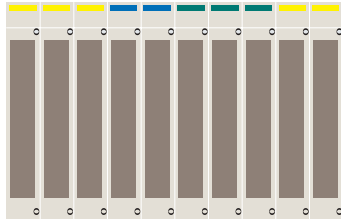
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

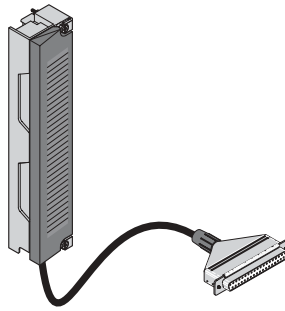
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

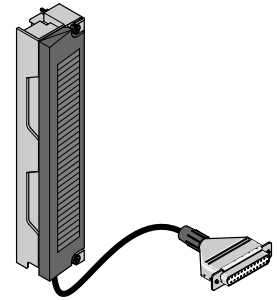
interfast 2
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 16 I ANA



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
140 ACI 04000	SubD 37		140 ACI 03000	SubD 25	
			140 AVI 03000	SubD 25	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

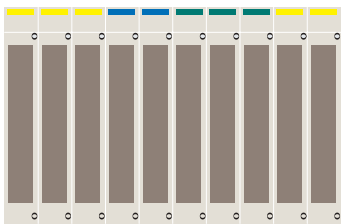
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 37/009	1SNA 021 568 P2100	1SNA 027 568 P2700	FA150/Quantum/SubD 25/005	1SNA 021 550 P2300	1SNA 027 550 P2100
2 m	FA200/Quantum/SubD 37/009	1SNA 021 569 P2200	1SNA 027 569 P2000	FA200/Quantum/SubD 25/005	1SNA 021 551 P1000	1SNA 027 551 P1600
2,5 m						
3 m	FA300/Quantum/SubD 37/009	1SNA 021 571 P1400	1SNA 027 571 P1200	FA300/Quantum/SubD 25/005	1SNA 021 553 P1200	1SNA 027 553 P1000
4 m						
5 m	FA500/Quantum/SubD 37/009	1SNA 021 573 P1600	1SNA 027 573 P1400	FA500/Quantum/SubD 25/005	1SNA 021 555 P1400	1SNA 027 555 P1200

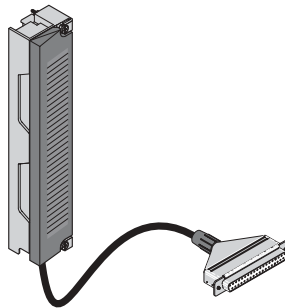
Characteristics

Type of interface connector	1 SubD 37 female points	1 SubD 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

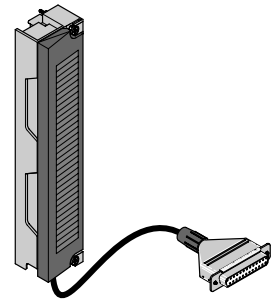
interfast 2
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 8 I ANA



Board 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 O ANA		
140 ARI 03000	SubD 37		140 ACO 13000	SubD 25	
140 ARI 03010	SubD 37				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

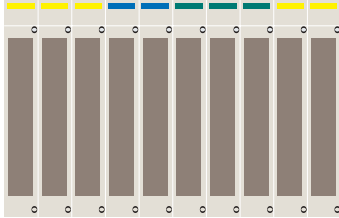
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 37/009	1SNA 021 568 P2100	1SNA 027 568 P2700	FA150/Quantum/SubD 25/584	1SNA 036 602 P2300	1SNA 037 602 P2400
2 m	FA200/Quantum/SubD 37/009	1SNA 021 569 P2200	1SNA 027 569 P2000	FA200/Quantum/SubD 25/584	1SNA 036 603 P2400	1SNA 037 603 P2500
2,5 m						
3 m	FA300/Quantum/SubD 37/009	1SNA 021 571 P1400	1SNA 027 571 P1200	FA300/Quantum/SubD 25/584	1SNA 036 605 P2600	1SNA 037 605 P2700
4 m						
5 m	FA500/Quantum/SubD 37/009	1SNA 021 573 P1600	1SNA 027 573 P1400	FA500/Quantum/SubD 25/584	1SNA 036 607 P2000	1SNA 037 607 P2100

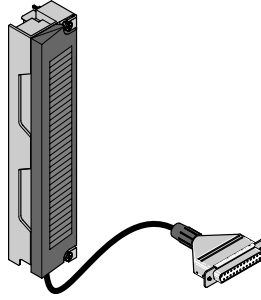
Characteristics

Type of interface connector	1 SubD 37 female points	1 SubD 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

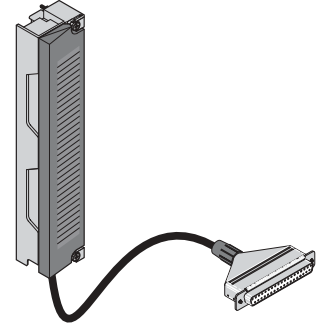
interfast 2
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 O ANA



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA			Boards 4 O ANA		
140 ACO 02000	Sub D 25		140 AVO 02000	Sub D 37	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

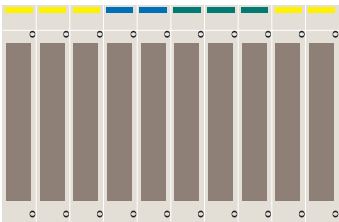
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 25/007	1SNA 021 556 R1500	1SNA 027 556 R1300	FA150/Quantum/SubD 37/008	1SNA 021 562 R1300	1SNA 027 562 R1100
2 m	FA200/Quantum/SubD 25/007	1SNA 021 557 R1600	1SNA 027 557 R1400	FA200/Quantum/SubD 37/008	1SNA 021 563 R1400	1SNA 027 563 R1200
2,5 m						
3 m	FA300/Quantum/SubD 25/007	1SNA 021 559 R2000	1SNA 027 559 R2600	FA300/Quantum/SubD 37/008	1SNA 021 565 R1600	1SNA 027 565 R1400
4 m						
5 m	FA500/Quantum/SubD 25/007	1SNA 021 561 R1200	1SNA 027 561 R1000	FA500/Quantum/SubD 37/008	1SNA 021 567 R1000	1SNA 027 567 R1600

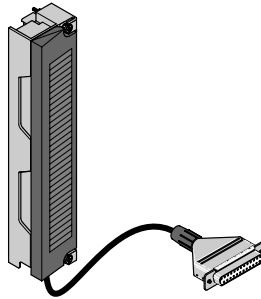
Characteristics

Type of interface connector	1 SubD 25 female points	1 SubD 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 2 O ANA					
140 AMM 09000	Sub D 25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

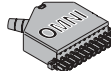
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 25/664	1SNA 038 026 R1600	1SNA 039 026 R1700			
2 m	FA200/Quantum/SubD 25/664	1SNA 038 027 R1700	1SNA 039 027 R1000			
2,5 m						
3 m	FA300/Quantum/SubD 25/664	1SNA 038 029 R2100	1SNA 039 029 R2200			
4 m						
5 m	FA500/Quantum/SubD 25/664	1SNA 038 031 R1300	1SNA 039 031 R1400			

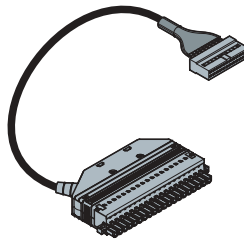
Characteristics

Type of interface connector	1 SubD 25 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200

interfast 3
TSX PLC Quantum
PLC board with built-in
connector. Cable HE 10/20
with Omnicontact connector.

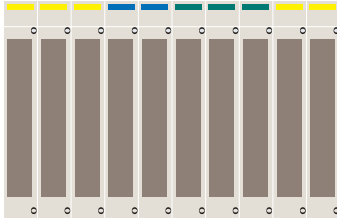


Board 96 I DIGITAL
Board 96 O DIGITAL



Connector	
HE 10/20	OMN 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

⁽¹⁾ Note : 6 cables per PLC board



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL					
140 DDI 36 400 ⁽¹⁾	2 3 6 7	16 opto P			
Boards 96 O DIGITAL					
140 DDO 36 400 ⁽¹⁾	2 3 6 7	16 Relays N / 16 opto N			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

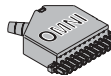
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		1SNA 039 000 P0200			
1,5 m	LA150/HE10-20/OMN20/661/UL		1SNA 039 001 P2700			
2 m	LA200/HE10-20/OMN20/661/UL		1SNA 039 002 P2000			
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL		1SNA 039 004 P2200			
4 m						
5 m	LA500/HE10-20/OMN20/661/UL		1SNA 039 006 P2400			

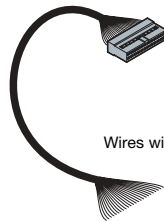
Characteristics

Type of interface connector	1 Omnicontact 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

interfast 3
Télemécanique PLC TSX 37-MICRO
PLC board with built-in
connector. Cable HE 10/20
connector with free wires.



Board 96 I DIGITAL
Board 96 O DIGITAL



Wires with ferrules

Connector	
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL						
140 DDI 36 400 ⁽¹⁾						
Boards 96 O DIGITAL						
140 DDO 36 400 ⁽¹⁾						

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

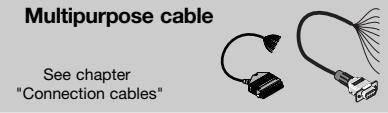
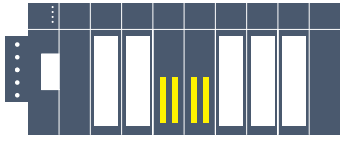
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662/UL		1SNA 039 007 P0600			
1,5 m	LAF150/HE10-20/UNI/662/UL		1SNA 039 008 P2500			
2 m	LAF200/HE10-20/UNI/662/UL		1SNA 039 009 P0600			
2,5 m						
3 m	LAF300/HE10-20/UNI/662/UL		1SNA 039 011 P0400			
4 m						
5 m	LAF500/HE10-20/UNI/662/UL		1SNA 039 013 P2200			

Characteristics

Type of interface connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

CONNECTION TECHNOLOGY SELECTION GUIDE

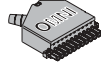
GE FANUC PLC 90 - 30
CEGELEC PLC 80 - 35



interfast 2
 Swing arm pre-wired by ENTRELEC

interfast 3
 PLC used has a connector on the card

HDI High density range



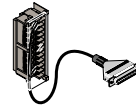
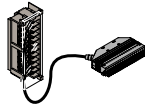
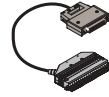
STI standard range



Sub D range Shielded cable



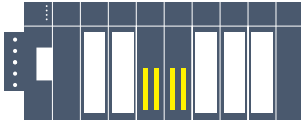
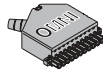
STI range cable



References

	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
Boards 32 I DIGITAL						
IC 693 MDL 654					Page 90	
IC 693 MDL 655					Page 90	
Boards 32 O DIGITAL						
IC 693 MDL 752					Page 90	
IC 693 MDL 753					Page 90	
Boards 16 I DIGITAL						
IC 693 MDL 240		Page 81				
IC 693 MDL 241		Page 81				
IC 693 MDL 645 / 646		Page 81				
Boards 16 O DIGITAL						
IC 693 MDL 340		Page 82				
IC 693 MDL 740 / 741 / 742		Page 82				
IC 693 MDL 940		Page 81				
Boards 8 I / 8 O DIGITAL						
IC 693 MDR 390		Page 82				
Boards 12 O DIGITAL						
IC 693 MDL 310		Page 82				
Boards 8 I DIGITAL						
IC 693 MDL 230 / 231		Page 82				
IC 693 MDL 632		Page 82				
IC 693 MDL 634		Page 83				
Boards 8 O DIGITAL						
IC 693 MDL 330		Page 82				
IC 693 MDL 730 / 731		Page 83				
IC 693 MDL 732 / 733		Page 83				
IC 693 MDL 930 / 931		Page 82				
Boards 6 I DIGITAL						
IC 693 MDL 734		Page 84				
Boards 5 O DIGITAL						
IC 693 MDL 390		Page 83				
Boards 16 I ANA						
IC 693 ALG 222 / 223		Page 85	Page 87			
HE 693 RTD 6XX		Page 86	Page 87			
Boards 16 O ANA						
IC 693 ALG 392		Page 85	Page 87			
Boards 6 I ANA						
HE 693 THM 668		Page 86	Page 87			
Boards 4 I / 2 O ANA						
IC 693 ALG 442		Page 86	Page 87			
Boards 4 I ANA						
IC 693 ALG 220 / 221		Page 86	Page 88			
HE 693 ADC 405 / 410 / 415 / 420		Page 86	Page 88			
HE 693 ADC 406		Page 85	Page 88			
Boards 4 O ANA						
HE 693 DAC 410		Page 86	Page 88			
Boards 2 O ANA						
IC 693 ALG 390		Page 86	Page 88			
IC 693 ALG 391		Page 86	Page 89			
Pulse counter						
IC 693 APU 300			Page 89			

interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
 Consult us

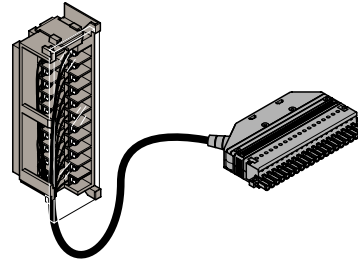
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

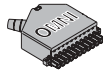
Board 16 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
IC 693 MDL 240	2		IC 693 MDL 241	2	
			IC 693 MDL 645	2	
			IC 693 MDL 646	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/161	1SNA 026 072 R1000	1SNA 028 072 R2200	FA150/80-35/OMN20/162	1SNA 026 078 R2600	1SNA 028 078 R0000
2 m	FA200/80-35/OMN20/161	1SNA 026 073 R1100	1SNA 028 073 R2300	FA200/80-35/OMN20/162	1SNA 026 079 R2700	1SNA 028 079 R0100
2,5 m						
3 m	FA300/80-35/OMN20/161	1SNA 026 075 R1300	1SNA 028 075 R2500	FA300/80-35/OMN20/162	1SNA 026 081 R0200	1SNA 028 081 R1400
4 m						
5 m	FA500/80-35/OMN20/161	1SNA 026 077 R1500	1SNA 028 077 R2700	FA500/80-35/OMN20/162	1SNA 026 083 R0400	1SNA 028 083 R1600

interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
 Consult us

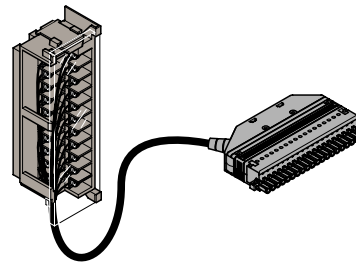
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

Board 16 O DIGITAL



WITH CONNECTOR INTERFACE
COMMON BY GROUP OF 4

WITH DECOUPLING INTERFACE
COMMON BY GROUP OF 8

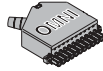
(1) For 24 VDC only

(1) For 24 VDC only

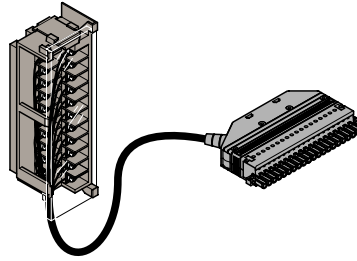
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
IC 693 MDL 940	2		IC 693 MDL 940	2 3 (1)	16 relays N/P (1) / 16 opto N/P (1)

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/406	1SNA 029 554 R2300	1SNA 034 554 R1000	FA150/80-35/OMN20/407	1SNA 029 560 R0500	1SNA 034 560 R2200
2 m	FA200/80-35/OMN20/406	1SNA 029 555 R2400	1SNA 034 555 R1100	FA200/80-35/OMN20/407	1SNA 029 561 R2200	1SNA 034 561 R1700
2,5 m						
3 m	FA300/80-35/OMN20/406	1SNA 029 557 R2600	1SNA 034 557 R1300	FA300/80-35/OMN20/407	1SNA 029 563 R2400	1SNA 034 563 R1100
4 m						
5 m	FA500/80-35/OMN20/406	1SNA 029 559 R0000	1SNA 034 559 R2500	FA500/80-35/OMN20/407	1SNA 029 565 R2600	1SNA 034 565 R1300

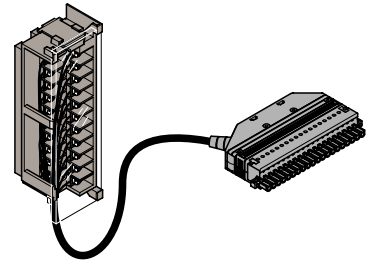
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 16 O DIGITAL
Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
IC 693 MDL 741		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	IC 693 MDL 340		
IC 693 MDL 742		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	Boards 12 O DIGITAL		
IC 693 MDL 740		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	IC 693 MDL 310		

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

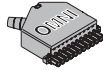
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	1SNA 026 090 R1700	1SNA 028 090 R2100	FA150/80-35/OMN20/165	1SNA 026 096 R0100	1SNA 028 096 R1300
2 m	FA200/80-35/OMN20/164	1SNA 026 091 R0400	1SNA 028 091 R1600	FA200/80-35/OMN20/165	1SNA 026 097 R0200	1SNA 028 097 R1400
2,5 m						
3 m	FA300/80-35/OMN20/164	1SNA 026 093 R0600	1SNA 028 093 R1000	FA300/80-35/OMN20/165	1SNA 026 099 R1400	1SNA 028 099 R2600
4 m						
5 m	FA500/80-35/OMN20/164	1SNA 026 095 R0000	1SNA 028 095 R1200	FA500/80-35/OMN20/165	1SNA 026 101 R1300	1SNA 028 101 R2500

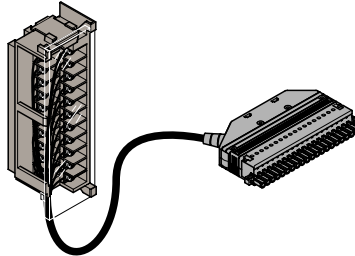
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

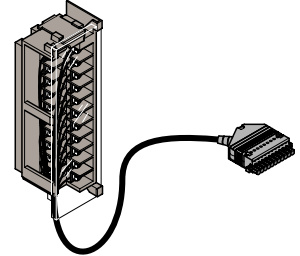
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL
Board 8 O DIGITAL
Board 8 I DIGITAL / 8 O DIGITAL



Board 8 I DIGITAL
Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
IC 693 MDL 230			IC 693 MDL 632		
IC 693 MDL 231			Boards 8 O DIGITAL		
Boards 8 O DIGITAL			IC 693 MDL 330		
IC 693 MDL 930					
IC 693 MDL 931					
Boards 8 I DIG. / 8 O DIG.					
IC 693 MDR 390					

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

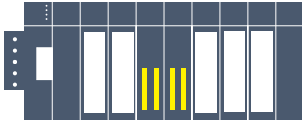
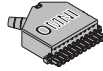
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	1SNA 026 090 R1700	1SNA 028 090 R2100	FA150/80-35/OMN12/167	1SNA 026 108 R2200	1SNA 028 108 R0400
2 m	FA200/80-35/OMN20/164	1SNA 026 091 R0400	1SNA 028 091 R1600	FA200/80-35/OMN12/167	1SNA 026 109 R2300	1SNA 028 109 R0500
2,5 m						
3 m	FA300/80-35/OMN20/164	1SNA 026 093 R0600	1SNA 028 093 R1000	FA300/80-35/OMN12/167	1SNA 026 111 R0400	1SNA 028 111 R1600
4 m						
5 m	FA500/80-35/OMN20/164	1SNA 026 095 R0000	1SNA 028 095 R1200	FA500/80-35/OMN12/167	1SNA 026 113 R0600	1SNA 028 113 R1000

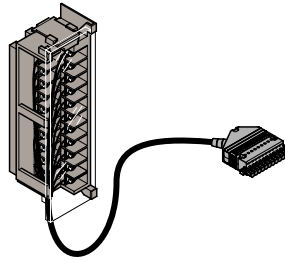
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

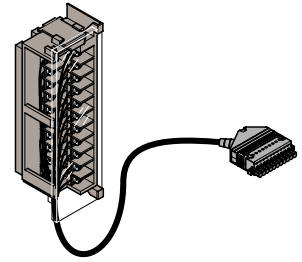
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
IC 693 MDL 634			IC 693 MDL 730	⁽¹⁾	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾
			IC 693 MDL 731		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

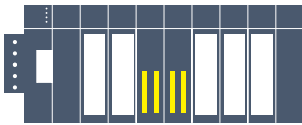
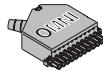
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/166	1SNA 026 102 R1400	1SNA 028 102 R2630	FA150/80-35/OMN12/168	1SNA 026 114 R0700	1SNA 028 114 R1100
2 m	FA200/80-35/OMN12/166	1SNA 026 103 R1500	1SNA 028 103 R2700	FA200/80-35/OMN12/168	1SNA 026 115 R0000	1SNA 028 115 R1200
2,5 m						
3 m	FA300/80-35/OMN12/166	1SNA 026 105 R1700	1SNA 028 105 R2100	FA300/80-35/OMN12/168	1SNA 026 117 R0200	1SNA 028 117 R1400
4 m						
5 m	FA500/80-35/OMN12/166	1SNA 026 107 R1100	1SNA 028 107 R2300	FA500/80-35/OMN12/168	1SNA 026 119 R1400	1SNA 028 119 R2600

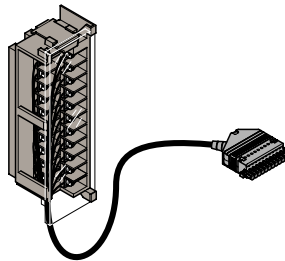
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

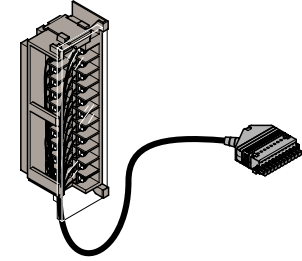
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Board 5 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 5 O DIGITAL		
IC 693 MDL 732	⁽¹⁾	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	IC 693 MDL 390		
IC 693 MDL 733		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

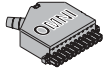
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/169	1SNA 026 120 R1100	1SNA 028 120 R2300	FA150/80-35/OMN12/170	1SNA 026 126 R0300	1SNA 028 126 R1500
2 m	FA200/80-35/OMN12/169	1SNA 026 121 R0600	1SNA 028 121 R1000	FA200/80-35/OMN12/170	1SNA 026 127 R0400	1SNA 028 127 R1600
2,5 m						
3 m	FA300/80-35/OMN12/169	1SNA 026 123 R0000	1SNA 028 123 R1200	FA300/80-35/OMN12/170	1SNA 026 129 R1600	1SNA 028 129 R2000
4 m						
5 m	FA500/80-35/OMN12/169	1SNA 026 125 R0200	1SNA 028 125 R1400	FA500/80-35/OMN12/170	1SNA 026 131 R0000	1SNA 028 131 R1200

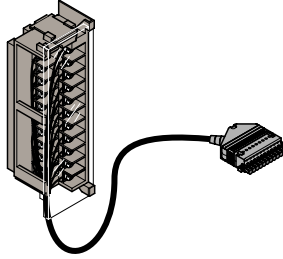
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 6 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I DIGITAL					
IC 693 MDL 734	IC				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/631	1SNA 036 849 R2200	1SNA 037 849 R2300			
2 m	FA200/80-35/OMN12/631	1SNA 036 850 R2700	1SNA 037 850 R2000			
2,5 m						
3 m	FA300/80-35/OMN12/631	1SNA 036 852 R1500	1SNA 037 852 R1600			
4 m						
5 m	FA500/80-35/OMN12/631	1SNA 036 854 R1700	1SNA 037 854 R1000			

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

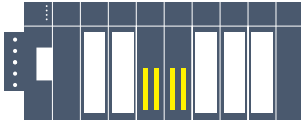
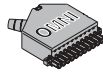
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
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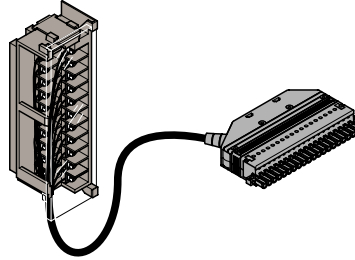
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

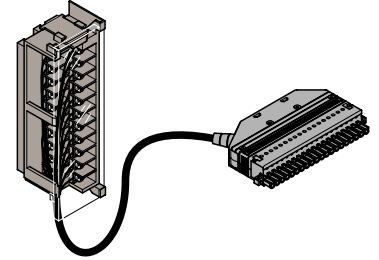
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

Board 16 I ANA
Board 16 O ANA
Board 6 I ANA



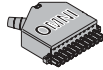
Board 16 S ANA
VOLTAGE



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 16 S ANA		
IC 693 ALG 223	2		IC 693 ALG 392	2	
IC 693 ALG 222	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/595	1SNA 036 624 R1000	1SNA 037 624 R1100	FA150/80-35/OMN20/162	1SNA 026 078 P2600	1SNA 028 078 P0000
2 m	FA200/80-35/OMN20/595	1SNA 036 625 R1100	1SNA 037 625 R1200	FA200/80-35/OMN20/162	1SNA 026 079 P2700	1SNA 028 079 P0100
2,5 m						
3 m	FA300/80-35/OMN20/595	1SNA 036 627 R1300	1SNA 037 627 R1400	FA300/80-35/OMN20/162	1SNA 026 081 P0200	1SNA 028 081 P0400
4 m						
5 m	FA500/80-35/OMN20/595	1SNA 036 629 P2500	1SNA 037 629 P2600	FA500/80-35/OMN20/162	1SNA 026 083 P0400	1SNA 028 083 P1600

interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
 Consult us

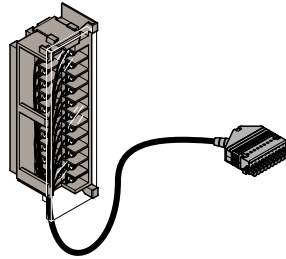
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

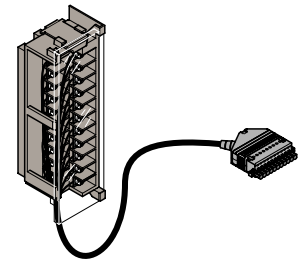
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

Board 16 S ANA
VOLTAGE



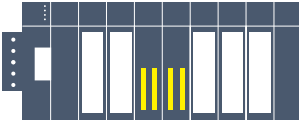
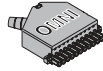
Boards 16 O ANA
CURRENT
Boards 4 I ANA



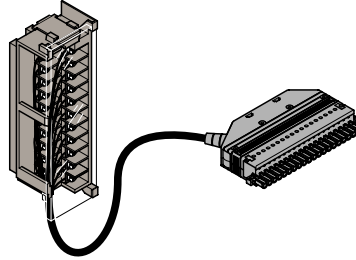
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 S ANA			Boards 16 O ANA		
IC 693 ALG 392	0		IC 693 ALG 392	0	
			Boards 4 I ANA		
			HE 693 ADC 406	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/503	1SNA 036 126 P0500	1SNA 037 126 P0600	FA150/80-35/OMN12/501	1SNA 036 114 P0100	1SNA 037 114 P0200
2 m	FA200/80-35/OMN12/503	1SNA 036 127 P0600	1SNA 037 127 P0700	FA200/80-35/OMN12/501	1SNA 036 115 P0200	1SNA 037 115 P0300
2,5 m						
3 m	FA300/80-35/OMN12/503	1SNA 036 129 P1000	1SNA 037 129 P1100	FA300/80-35/OMN12/501	1SNA 036 117 P0400	1SNA 037 117 P0500
4 m						
5 m	FA500/80-35/OMN12/503	1SNA 036 131 P0200	1SNA 037 131 P0300	FA500/80-35/OMN12/501	1SNA 036 119 P1600	1SNA 037 119 P1700

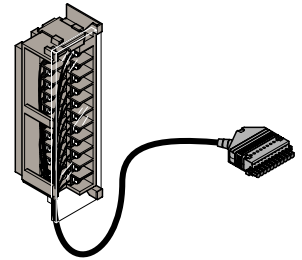
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 6 I ANA



Board 4 I ANA
Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I ANA			Boards 4 I ANA		
HE 693 RTD 6XX	2		HE 693 ADC 405	0	
HE 693 THM 668	2		HE 693 ADC 410	0	
			HE 693 ADC 415	0	
			HE 693 ADC 420	0	
			Boards 4 O ANA		
			HE 693 DAC 410	0	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

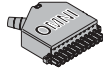
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	1SNA 026 090 R1700	1SNA 028 090 R2100	FA150/80-35/OMN12/502	1SNA 036 120 R1300	1SNA 037 120 R1400
2 m	FA200/80-35/OMN20/164	1SNA 026 091 R0400	1SNA 028 091 R1600	FA200/80-35/OMN12/502	1SNA 036 121 R0000	1SNA 037 121 R0100
2,5 m						
3 m	FA300/80-35/OMN20/164	1SNA 026 093 R0600	1SNA 028 093 R1000	FA300/80-35/OMN12/502	1SNA 036 123 R0200	1SNA 037 123 R0300
4 m						
5 m	FA500/80-35/OMN20/164	1SNA 026 095 R0000	1SNA 028 095 R1200	FA500/80-35/OMN12/502	1SNA 036 125 R0400	1SNA 037 125 R0500

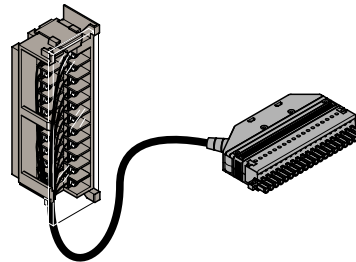
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

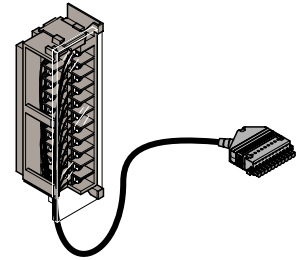
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 4 I / 2 O ANA
Board 4 I ANA
Board 2 O ANA



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4I/2O ANA			Boards 2 O ANA		
IC 693 ALG 442	2		IC 693 ALG 390		
Boards 4 I ANA					
IC 693 ALG 220	2				
IC 693 ALG 221	2				
Boards 2 O ANA					
IC 693 ALG 391	2				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	1SNA 026 090 R1700	1SNA 028 090 R2100	FA150/80-35/OMN12/502	1SNA 036 120 R1300	1SNA 037 120 R1400
2 m	FA200/80-35/OMN20/164	1SNA 026 091 R0400	1SNA 028 091 R1600	FA200/80-35/OMN12/502	1SNA 036 121 R0000	1SNA 037 121 R0100
2,5 m						
3 m	FA300/80-35/OMN20/164	1SNA 026 093 R0600	1SNA 028 093 R1000	FA300/80-35/OMN12/502	1SNA 036 123 R0200	1SNA 037 123 R0300
4 m						
5 m	FA500/80-35/OMN20/164	1SNA 026 095 R0000	1SNA 028 095 R1200	FA500/80-35/OMN12/502	1SNA 036 125 R0400	1SNA 037 125 R0500

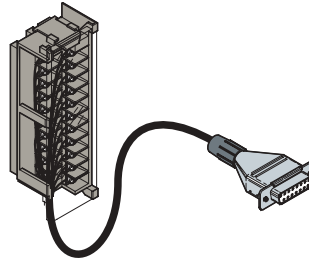
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

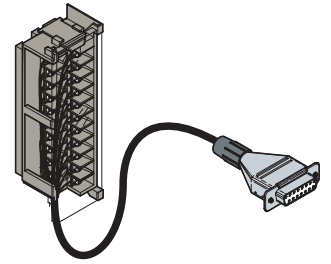
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 16 O ANA
Voltage outputs



Board 16 O ANA
Current outputs



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O ANA			Boards 16 O ANA		
IC 693 ALG 392	Sub D 15		IC 693 ALG 392	Sub D 15	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

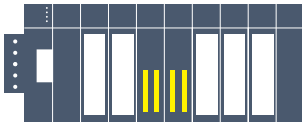
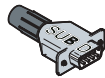
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD15/230	1SNA 026 528 R1600	1SNA 028 528 P2000	FA150/80-35/SubD15/231	1SNA 026 534 P0400	1SNA 028 534 P1600
2 m	FA200/80-35/SubD15/230	1SNA 026 529 R1700	1SNA 028 529 P2100	FA200/80-35/SubD15/231	1SNA 026 535 P0500	1SNA 028 535 P1700
2,5 m						
3 m	FA300/80-35/SubD15/230	1SNA 026 531 P0100	1SNA 028 531 R1300	FA300/80-35/SubD15/231	1SNA 026 537 P0700	1SNA 028 537 R1100
4 m						
5 m	FA500/80-35/SubD15/230	1SNA 026 533 P0300	1SNA 028 533 R1500	FA500/80-35/SubD15/231	1SNA 026 539 R1100	1SNA 028 539 P2300

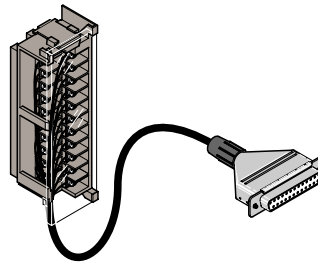
Characteristics

Type of interface connector	1 Sub D 15 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

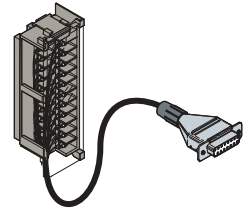
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 16 I ANA
Board 16 O ANA
Board 6 I ANA
Board 4 I / 2 O ANA



Board 6 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 6 I ANA		
IC 693 ALG 222	Sub D 25		HE 693 THM 668	Sub D 15	
IC 693 ALG 223	Sub D 25				
Boards 16 O ANA					
IC 693 ALG 392	Sub D 25				
Boards 6 I ANA					
HE 693 RTD 6xx	Sub D 25				
Boards 4 I / 2 O ANA					
IC 693 ALG 442	Sub D 25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

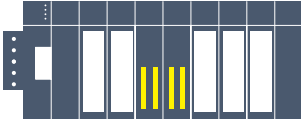
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD25/177	1SNA 026 210 P2300	1SNA 028 210 P0500	FA150/80-35/SubD15/237	1SNA 026 570 P2400	1SNA 028 570 P0600
2 m	FA200/80-35/SubD25/177	1SNA 026 211 R1000	1SNA 028 211 P2200	FA200/80-35/SubD15/237	1SNA 026 571 R1100	1SNA 028 571 P2300
2,5 m						
3 m	FA300/80-35/SubD25/177	1SNA 026 213 R1200	1SNA 028 213 P2400	FA300/80-35/SubD15/237	1SNA 026 573 R1300	1SNA 028 573 P2500
4 m						
5 m	FA500/80-35/SubD25/177	1SNA 026 215 R1400	1SNA 028 215 P2600	FA500/80-35/SubD15/237	1SNA 026 575 R1500	1SNA 028 575 P2700

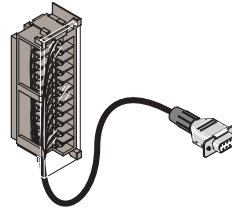
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

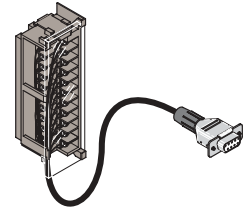
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA
Board 4 O ANA



Board 4 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 4 I ANA		
HE 693 ADC 405	Sub D 9		HE 693 ADC 406	Sub D 9	
HE 693 ADC 410	Sub D 9				
HE 693 ADC 415	Sub D 9				
HE 693 ADC 420	Sub D 9				
Boards 4 O ANA					
HE 693 DAC 410	Sub D 9				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD9/235	1SNA 026 558 R2400	1SNA 028 558 R0600	FA150/80-35/SubD9/236	1SNA 026 564 R1200	1SNA 028 564 R2400
2 m	FA200/80-35/SubD9/235	1SNA 026 559 R2500	1SNA 028 559 R0700	FA200/80-35/SubD9/236	1SNA 026 565 R1300	1SNA 028 565 R2500
2,5 m						
3 m	FA300/80-35/SubD9/235	1SNA 026 561 R1700	1SNA 028 561 R2100	FA300/80-35/SubD9/236	1SNA 026 567 R1500	1SNA 028 567 R2700
4 m						
5 m	FA500/80-35/SubD9/235	1SNA 026 563 R1100	1SNA 028 563 R2300	FA500/80-35/SubD9/236	1SNA 026 569 R2700	1SNA 028 569 R0100

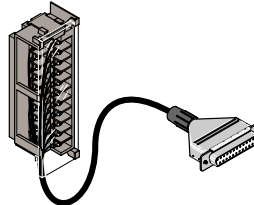
Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

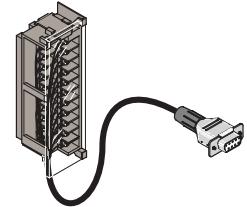
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 2 O ANA		
IC 693 ALG 220	Sub D 25		IC 693 ALG 390	Sub D 9	
IC 693 ALG 221	Sub D 25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD25/156	1SNA 026 042 R1200	1SNA 028 042 R2400	FA150/80-35/SubD9/158	1SNA 026 054 R1600	1SNA 028 054 R2000
2 m	FA200/80-35/SubD25/156	1SNA 026 043 R1300	1SNA 028 043 R2500	FA200/80-35/SubD9/158	1SNA 026 055 R1700	1SNA 028 055 R2100
2,5 m						
3 m	FA300/80-35/SubD25/156	1SNA 026 045 R1500	1SNA 028 045 R2700	FA300/80-35/SubD9/158	1SNA 026 057 R1100	1SNA 028 057 R2300
4 m						
5 m	FA500/80-35/SubD25/156	1SNA 026 047 R1700	1SNA 028 047 R2100	FA500/80-35/SubD9/158	1SNA 026 059 R2300	1SNA 028 059 R0500

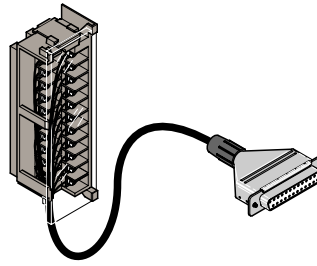
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

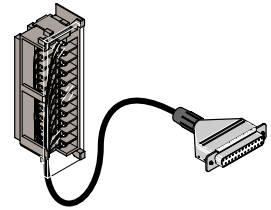
interfast 2
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



**Board 12 I / 4 O DIGITAL
(Pulse Counter)**



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 12I/4O DIGITAL			Boards 2 O ANA		
IC 693 APU 300	Sub D 25		IC 693 ALG 391	Sub D 25	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD25/177	1SNA 026 210 R2300	1SNA 028 210 R0500	FA150/80-35/SubD25/157	1SNA 026 048 R2000	1SNA 028 048 R0200
2 m	FA200/80-35/SubD25/177	1SNA 026 211 R1000	1SNA 028 211 R2200	FA200/80-35/SubD25/157	1SNA 026 049 R2100	1SNA 028 049 R0300
2,5 m						
3 m	FA300/80-35/SubD25/177	1SNA 026 213 R1200	1SNA 028 213 R2400	FA300/80-35/SubD25/157	1SNA 026 051 R1300	1SNA 028 051 R2500
4 m						
5 m	FA500/80-35/SubD25/177	1SNA 026 215 R1400	1SNA 028 215 R2600	FA500/80-35/SubD25/157	1SNA 026 053 R1500	1SNA 028 053 R2700

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

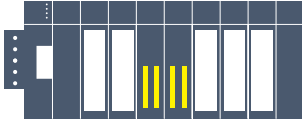
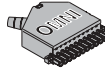
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

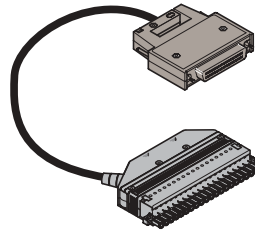
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3
PLC GE FANUC 90-30
CEGELEC 80-35
PLC board with built-in
connector. Cable with
Omniconnect connector



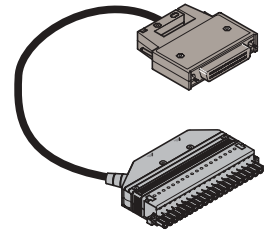
Board 32 I DIGITAL



⁽¹⁾ Following references only :
 1SNA 021 021 R000, 1SNA 031 001 R1700, 1SNA 032 003 R1200
 Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
IC 693 MDL 654	2 6 ⁽¹⁾	
IC 693 MDL 655	2 6 ⁽¹⁾	

Board 32 I DIGITAL
Board 32 O DIGITAL



⁽¹⁾ Supply for sensors is not run up to our interfaces.
⁽²⁾ For 24 VDC only
 Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
IC 693 MDL 655 ⁽¹⁾	2 3 6 7	16 opto N/P
Boards 32 O DIGITAL		
IC 693 MDL 753	2 3 6 7 ⁽²⁾	16 Relays N ⁽²⁾ / 16 opto N ⁽²⁾

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

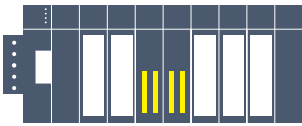
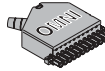
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/FUJITSU/OMN20/171/UL		1SNA 037 552 R1100	FA100/FUJITSU/OMN20/173/UL		1SNA 037 553 R1200
1,5 m	FA150/FUJITSU/OMN20/171/UL		1SNA 028 132 R1300	FA150/FUJITSU/OMN20/173/UL		1SNA 028 144 R2700
2 m	FA200/FUJITSU/OMN20/171/UL		1SNA 028 133 R1400	FA200/FUJITSU/OMN20/173/UL		1SNA 028 145 R2000
2,5 m						
3 m	FA300/FUJITSU/OMN20/171/UL		1SNA 028 135 R1600	FA300/FUJITSU/OMN20/173/UL		1SNA 028 147 R2200
4 m						
5 m	FA500/FUJITSU/OMN20/171/UL		1SNA 028 137 R1000	FA500/FUJITSU/OMN20/173/UL		1SNA 028 149 R0400

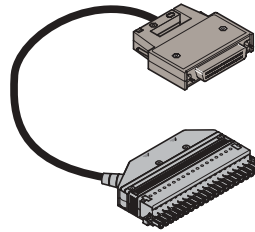
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	FUJITSU FCN-365P024-AU	FUJITSU FCN-365P024-AU

interfast 3
PLC GE FANUC 90-30
CEGELEC 80-35
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only
 Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 O DIGIT.					
IC 693 MDL 752	2 6	16 Relays N/P ⁽¹⁾ / 16 opto N/P ⁽¹⁾			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/FUJITSU/OMN20/172/UL		1SNA 028 138 R2100			
2 m	FA200/FUJITSU/OMN20/172/UL		1SNA 028 139 R2200			
2,5 m						
3 m	FA300/FUJITSU/OMN20/172/UL		1SNA 028 141 R2400			
4 m						
5 m	FA500/FUJITSU/OMN20/172/UL		1SNA 028 143 R2600			

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	FUJITSU FCN-365P024-AU	FUJITSU FCN-365P024-AU

CONNECTION TECHNOLOGY SELECTION GUIDE

**Allen Bradley®
Control Logix**



Multipurpose cable

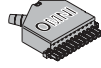
See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

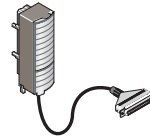
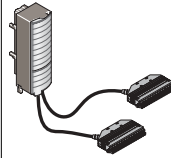
HDI High density range



STI standard range



Sub D range Shielded cable

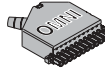


interfast 3

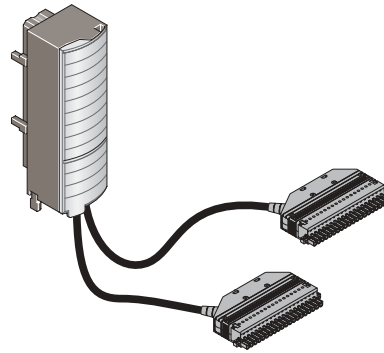
PLC used has a connector on the card

References	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
Boards 32 I DIGITAL						
1756 - IB 32		Page 92				
1756 - IV 32		Page 92				
Boards 32 O DIGITAL						
1756 - OB 32		Page 92				
Boards 16 I DIGITAL						
1756 - IA 16I		Page 93				
1756 - IB 16I		Page 93				
1756 - IH 16I		Page 93				
1756 - IM 16I		Page 93				
1756 - IB 16D		Page 92				
1756 - IA 16		Page 93				
1756 - IB 16		Page 93				
1756 - IC 16		Page 93				
1756 - IN 16		Page 93				
1756 - IV 16		Page 93				
Boards 16 O DIGITAL						
1756 - OA 16I		Page 93				
1756 - OB 16I		Page 93				
1756 - OB 16IS		Page 93				
1756 - ON 16I		Page 93				
1756 - OB 16D		Page 93				
1756 - OA 16		Page 94				
1756 - OB 16E		Page 94				
1756 - OW 16I		Page 93				
1756 - OV 16E		Page 94				
Boards 8 I DIGITAL						
1756 - IA 8D		Page 94				
Boards 8 O DIGITAL						
1756 - OX 8I		Page 93				
1756 - OB 8EI		Page 94				
1756 - OA 8EI						
1756 - OH 8EI		Page 93				
1756 - OA 8		Page 95				
1756 - OB 8		Page 95				
1756 - OC 8		Page 95				
1756 - ON 8		Page 95				
1756 - OA 8D		Page 94				
1756 - OA 8E		Page 94				
Boards 16 I ANA						
1756 - IF 16		Page 96	Page 98			
Boards 8 I ANA						
1756 - IF 8		Page 96	Page 98			
Boards 8 O ANA						
1756 - OF 8		Page 96	Page 98			
Boards 6 I ANA						
1756 - IF 6I		Page 96	Page 98			
1756 - IR 6I		Page 96	Page 98			
1756 - IF6 CIS		Page 96	Page 98			
Boards 6 O ANA						
1756 - OF 6CI		Page 96	Page 98			
1756 - OF 6VI		Page 96	Page 99			
Boards 4 O ANA						
1756 - OF 4		Page 97	Page 99			
Boards 4 I / 2 O ANA						
1756 - IF 4 FXO F2 F		Page 97	Page 99			

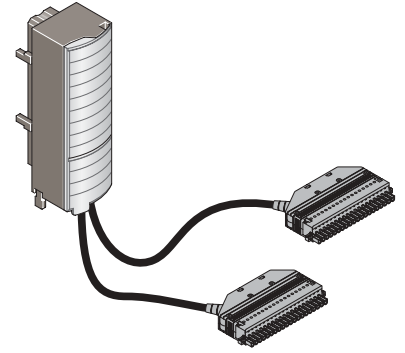
interfast 2
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
1756 - IB 32	2 3 (1) 6 7 (1)	16 opto P (1)	1756 - OB 32	2 3 (1) 6 7 (1)	16 relays N(1) / 16 opto N(1)
1756 - IV 32	2 3 6 7	16 opto N/P (1)			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

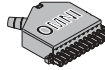
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/443	1SNA 029 732 P2500	1SNA 034 732 R1200	FA150/Control Logix/2xOMN20/444	1SNA 029 726 P2700	1SNA 034 726 R1400
2 m	FA200/Control Logix/2xOMN20/443	1SNA 029 733 P2600	1SNA 034 733 R1300	FA200/Control Logix/2xOMN20/444	1SNA 029 727 P2000	1SNA 034 727 R1500
2,5 m						
3 m	FA300/Control Logix/2xOMN20/443	1SNA 029 735 P2000	1SNA 034 735 R1500	FA300/Control Logix/2xOMN20/444	1SNA 029 729 P0200	1SNA 034 729 P2700
4 m						
5 m	FA500/Control Logix/2xOMN20/443	1SNA 029 737 P2200	1SNA 034 737 R1700	FA500/Control Logix/2xOMN20/444	1SNA 029 731 P2400	1SNA 034 731 R1100

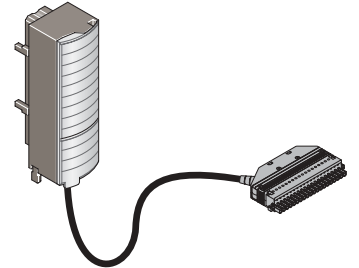
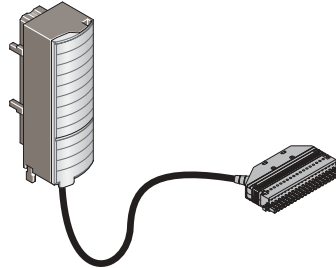
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL



WITH CONNECTOR INTERFACE
COMMON BY GROUP OF 4

WITH DECOUPLING INTERFACE
COMMON BY GROUP OF 8

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IB 16D	2		1756 - IB 16D	2 3 (1)	16 opto P (1)

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

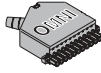
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN20/445	1SNA 029 756 P0500	1SNA 034 756 P2200	FA150/CONTROL LOGIX/OMN20/446	1SNA 029 762 P0300	1SNA 034 762 P2000
2 m	FA200/CONTROL LOGIX/OMN20/445	1SNA 029 757 P0600	1SNA 034 757 P2300	FA200/CONTROL LOGIX/OMN20/446	1SNA 029 763 P0400	1SNA 034 763 P2100
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN20/445	1SNA 029 759 P1000	1SNA 034 759 P0500	FA300/CONTROL LOGIX/OMN20/446	1SNA 029 765 P0600	1SNA 034 765 P2300
4 m						
5 m	FA500/CONTROL LOGIX/OMN20/445	1SNA 029 761 P0200	1SNA 034 761 P2700	FA500/CONTROL LOGIX/OMN20/446	1SNA 029 767 P0000	1SNA 034 767 P2500

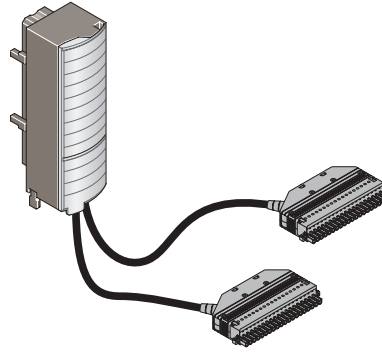
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2
Allen Bradley PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL
Board 16 O DIGITAL



(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IA 16I	2 6		1756 - IA 16	2	
1756 - IB 16I	2 6		1756 - IB 16	2 3 (1)	16 opto P (1)
1756 - IH 16I	2 6		1756 - IC 16	2	
1756 - IM 16I	2 6		1756 - IN 16	2	
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
1756 - OB 16 IS	2 6		1756 - IV 16	2 3	16 opto N/P

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

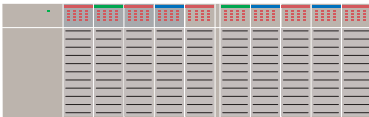
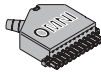
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/458	1SNA 029 738 P0300	1SNA 034 738 P2030	FA150/Control Logix/OMN20/452	1SNA 029 798 P0000	1SNA 034 798 P2500
2 m	FA200/Control Logix/2xOMN20/458	1SNA 029 739 P0400	1SNA 034 739 P2100	FA200/Control Logix/OMN20/452	1SNA 029 799 P0100	1SNA 034 799 P2600
2,5 m						
3 m	FA300/Control Logix/2xOMN20/458	1SNA 029 741 P0600	1SNA 034 741 P2300	FA300/Control Logix/OMN20/452	1SNA 029 801 P2400	1SNA 034 801 P1100
4 m						
5 m	FA500/Control Logix/2xOMN20/458	1SNA 029 743 P0000	1SNA 034 743 P2500	FA500/Control Logix/OMN20/452	1SNA 029 803 P2600	1SNA 034 803 P1300

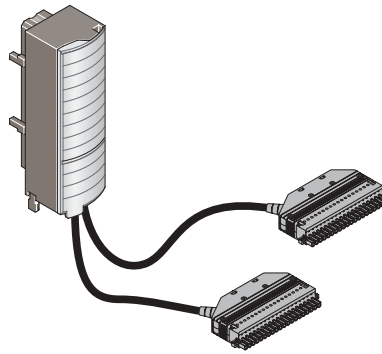
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB NH

interfast 2
Allen Bradley PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL
Board 8 O DIGITAL



(1) For 24 VDC only

(1) To 120 V max.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
1756 - OA 16I	2 6		1756 - OB 16D	2 3 (1)	16 Relays N(1) / 16 Opto N(1)
1756 - OB 16I	2 6				
1756 - ON 16I	2 6				
1756 - OW 16I	2 6 (1)				
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
1756 - OX 8I	2 6				
1756 - OH 8EI	2 6				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

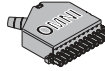
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/458	1SNA 029 738 P0300	1SNA 034 738 P2030	FA150/CONTROL LOGIX/OMN20/459	1SNA 029 744 P0100	1SNA 034 744 P2600
2 m	FA200/Control Logix/2xOMN20/458	1SNA 029 739 P0400	1SNA 034 739 P2100	FA200/CONTROL LOGIX/OMN20/459	1SNA 029 745 P0200	1SNA 034 745 P2700
2,5 m						
3 m	FA300/Control Logix/2xOMN20/458	1SNA 029 741 P0600	1SNA 034 741 P2300	FA300/CONTROL LOGIX/OMN20/459	1SNA 029 747 P0400	1SNA 034 747 P2100
4 m						
5 m	FA500/Control Logix/2xOMN20/458	1SNA 029 743 P0000	1SNA 034 743 P2500	FA500/CONTROL LOGIX/OMN20/459	1SNA 029 749 P1600	1SNA 034 749 P0300

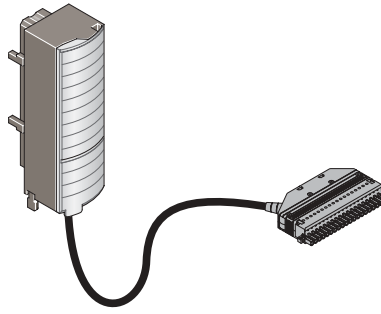
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

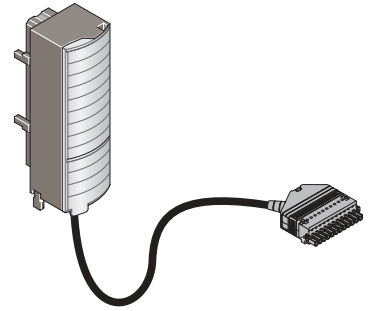
interfast 2
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 8 O DIGITAL
Board 8 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 8 O DIGITAL		
1756 - OA 16	2		1756 - OA 8D	0	
1756 - OB 16E	2 3 (1)	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	1756 - OA 8E	0	
1756 - OV 16E	2	16 relays N/P / 16 opto N/P	Boards 8 I DIGITAL		
			1756 - IA 8D	0	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

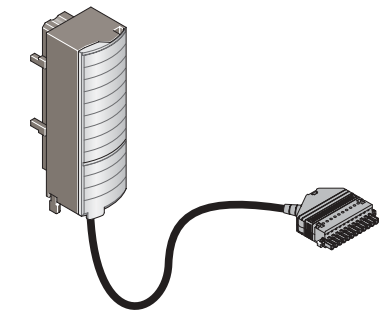
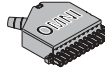
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/451	1SNA 029 792 P2200	1SNA 034 792 R1700	FA150/Control Logix/OMN12/453	1SNA 029 804 P2700	1SNA 034 804 R1400
2 m	FA200/Control Logix/OMN20/451	1SNA 029 793 P2300	1SNA 034 793 R1000	FA200/Control Logix/OMN12/453	1SNA 029 805 P2000	1SNA 034 805 R1500
2,5 m						
3 m	FA300/Control Logix/OMN20/451	1SNA 029 795 P2500	1SNA 034 795 R1200	FA300/Control Logix/OMN12/453	1SNA 029 807 P2200	1SNA 034 807 R1700
4 m						
5 m	FA500/Control Logix/OMN20/451	1SNA 029 797 P2700	1SNA 034 797 R1400	FA500/Control Logix/OMN12/453	1SNA 029 809 P0400	1SNA 034 809 R2100

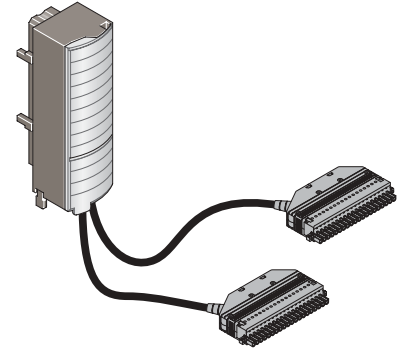
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

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Swing arm with cable and
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Board 8 O DIGITAL



COMMON BY GROUP OF 8

COMMON BY GROUP OF 1

⁽¹⁾ For 24 VDC only

⁽¹⁾ To 120 V max.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
1756 - OB 8EI	0 1 (1)	8 Relays ⁽¹⁾ / 8 Opto ⁽¹⁾	1756 - OB 8EI	2 6	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

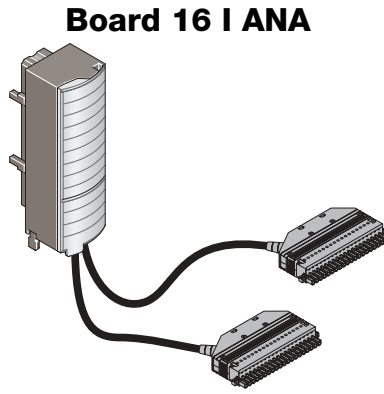
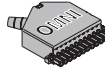
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/460	1SNA 029 750 P1300	1SNA 034 750 P0000	FA150/Control Logix/2xOMN20/458	1SNA 029 738 P0300	1SNA 034 738 P2000
2 m	FA200/CONTROL LOGIX/OMN12/460	1SNA 029 751 P0000	1SNA 034 751 P2500	FA200/Control Logix/2xOMN20/458	1SNA 029 739 P0400	1SNA 034 739 P2100
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN12/460	1SNA 029 753 P0200	1SNA 034 753 P2700	FA300/Control Logix/2xOMN20/458	1SNA 029 741 P0600	1SNA 034 741 P2300
4 m						
5 m	FA500/CONTROL LOGIX/OMN12/460	1SNA 029 755 P0400	1SNA 034 755 P2100	FA500/Control Logix/2xOMN20/458	1SNA 029 743 P0000	1SNA 034 743 P2500

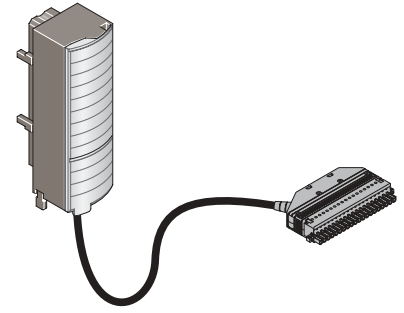
Characteristics

Type of interface connector	1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

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Swing arm with cable and
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Board 8 I ANA



(1) For these references only :
 1SNA 021 021 R0000, 1SNA 031 001 R1700, 1SNA 032 003 R1200

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
1756 - IF16	2 6 (1)		1756 - IF 8	2	



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

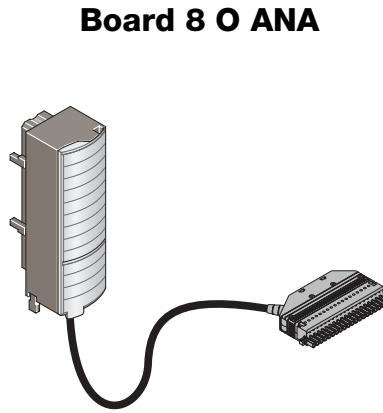
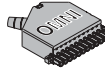
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/491	1SNA 036 060 R2200	1SNA 037 060 R2300	FA150/Control Logix/OMN20/492	1SNA 036 066 R1400	1SNA 037 066 R1500
2 m	FA200/Control Logix/2xOMN20/491	1SNA 036 061 R1700	1SNA 037 061 R1000	FA200/Control Logix/OMN20/492	1SNA 036 067 R1500	1SNA 037 067 R1600
2,5 m						
3 m	FA300/Control Logix/2xOMN20/491	1SNA 036 063 R1100	1SNA 037 063 R1200	FA300/Control Logix/OMN20/492	1SNA 036 069 R2700	1SNA 037 069 R2000
4 m						
5 m	FA500/Control Logix/2xOMN20/491	1SNA 036 065 R1300	1SNA 037 065 R1400	FA500/Control Logix/OMN20/492	1SNA 036 071 R1100	1SNA 037 071 R1200

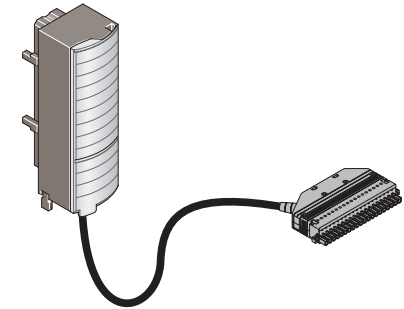
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

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Board 6 I ANA
Board 6 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA			Boards 6 I ANA		
1756 - OF8	2		1756 - IR 6I	2	
			1756 - IF 6I	2	
			1756 - IF 6 CIS	2	
			Boards 6 O ANA		
			1756 - OF 6 CI	2	
			1756 - OF 6 VI	2	



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/488	1SNA 036 042 R1400	1SNA 037 042 R1500	FA150/Control Logix/OMN20/490	1SNA 036 054 R1000	1SNA 037 054 R1100
2 m	FA200/Control Logix/OMN20/488	1SNA 036 043 R1500	1SNA 037 043 R1600	FA200/Control Logix/OMN20/490	1SNA 036 055 R1100	1SNA 037 055 R1200
2,5 m						
3 m	FA300/Control Logix/OMN20/488	1SNA 036 045 R1700	1SNA 037 045 R1000	FA300/Control Logix/OMN20/490	1SNA 036 057 R1300	1SNA 037 057 R1400
4 m						
5 m	FA500/Control Logix/OMN20/488	1SNA 036 047 R1100	1SNA 037 047 R1200	FA500/Control Logix/OMN20/490	1SNA 036 059 R2500	1SNA 037 059 R2600

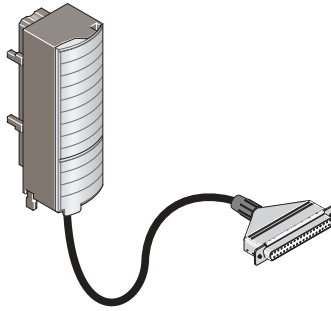
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

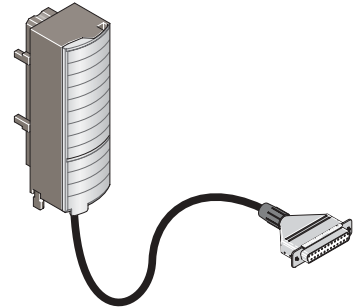
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Swing arm with cable and
Sub D connectors



Board 16 I ANA



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
1756 - IF16	Sub D 37		1756 - IF 8	Sub D 25	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD37/471	1SNA 029 894 R1100	1SNA 034 894 R0600	FA150/Control Logix/SUBD25/472	1SNA 029 900 R0300	1SNA 034 900 R2000
2 m	FA200/Control Logix/SUBD37/471	1SNA 029 895 R1200	1SNA 034 895 R0700	FA200/Control Logix/SUBD25/472	1SNA 029 901 R2000	1SNA 034 901 R1500
2,5 m						
3 m	FA300/Control Logix/SUBD37/471	1SNA 029 897 R1400	1SNA 034 897 R0100	FA300/Control Logix/SUBD25/472	1SNA 029 903 R2200	1SNA 034 903 R1700
4 m						
5 m	FA500/Control Logix/SUBD37/471	1SNA 029 899 R2600	1SNA 034 899 R1300	FA500/Control Logix/SUBD25/472	1SNA 029 905 R2400	1SNA 034 905 R1100

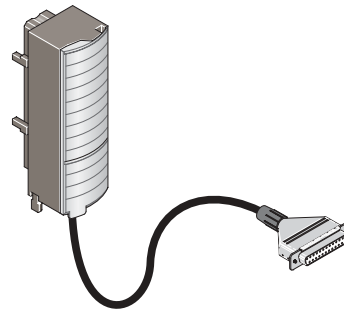
Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

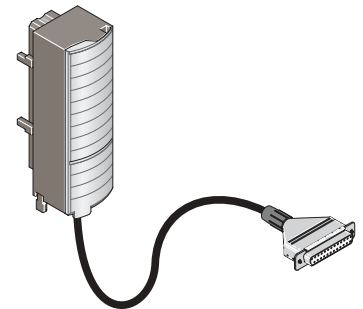
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Swing arm with cable and
Sub D connectors



Board 8 O ANA



Board 6 I ANA
Board 6 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA			Boards 6 I ANA		
1756 - OF8	Sub D 25		1756 - IF 6I	Sub D 25	
			1756 - IR 6I	Sub D 25	
			1756 - IF 6 CIS	Sub D 25	
			Boards 6 O ANA		
			1756 - OF 6 CI	Sub D 25	

■ Wire markers optional:
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■ Accessories:
 see section on ACCESSORIES

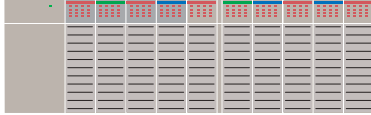
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD25/467	1SNA 029 870 R0400	1SNA 034 870 R2100	FA150/Control Logix/SUBD25/468	1SNA 029 876 R2600	1SNA 034 876 R1300
2 m	FA200/Control Logix/SUBD25/467	1SNA 029 871 R2100	1SNA 034 871 R1600	FA200/Control Logix/SUBD25/468	1SNA 029 877 R2700	1SNA 034 877 R1400
2,5 m						
3 m	FA300/Control Logix/SUBD25/467	1SNA 029 873 R2300	1SNA 034 873 R1000	FA300/Control Logix/SUBD25/468	1SNA 029 879 R0100	1SNA 034 879 R2600
4 m						
5 m	FA500/Control Logix/SUBD25/467	1SNA 029 875 R2500	1SNA 034 875 R1200	FA500/Control Logix/SUBD25/468	1SNA 029 881 R1400	1SNA 034 881 R0100

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB NH

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Swing arm with cable and
Sub D connectors



■ Wire markers optional:
 Consult us

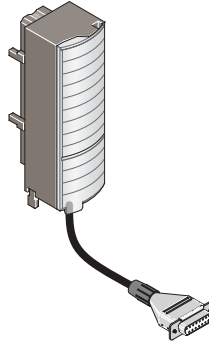
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Sub D 15 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB CH

Board 6 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 O ANA			Boards 4 I / 2 O ANA		
1756 - OF 6VI	Sub D 15		1756 - IF 4 FXO F2F	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD15/470	1SNA 029 888 R2300	1SNA 034 888 R10300	FA150/Control Logix/SUBD25/659	1SNA 036 991 R0100	1SNA 037 991 R0200
2 m	FA200/Control Logix/SUBD15/470	1SNA 029 889 R2400	1SNA 034 889 R1100	FA200/Control Logix/SUBD25/659	1SNA 036 992 R0200	1SNA 037 992 R0300
2,5 m						
3 m	FA300/Control Logix/SUBD15/470	1SNA 029 891 R1600	1SNA 034 891 R0300	FA300/Control Logix/SUBD25/659	1SNA 036 994 R0400	1SNA 037 994 R0500
4 m						
5 m	FA500/Control Logix/SUBD15/470	1SNA 029 893 R1000	1SNA 034 893 R0500	FA500/Control Logix/SUBD25/659	1SNA 036 996 R0600	1SNA 037 996 R0700

interfast 2
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Sub D connectors



■ Wire markers optional:
 Consult us

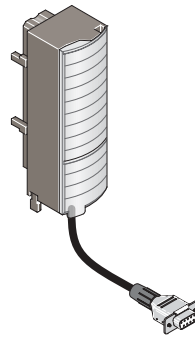
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Sub D 9 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	1756 - TB NH	

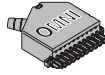
Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1756 - OF4	Sub D 9				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD9/469	1SNA 029 882 R1500	1SNA 034 882 R0200			
2 m	FA200/Control Logix/SUBD9/469	1SNA 029 883 R1600	1SNA 034 883 R0300			
2,5 m						
3 m	FA300/Control Logix/SUBD9/469	1SNA 029 885 R1000	1SNA 034 885 R0500			
4 m						
5 m	FA500/Control Logix/SUBD9/469	1SNA 029 887 R1200	1SNA 034 887 R0700			

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SLC 500
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

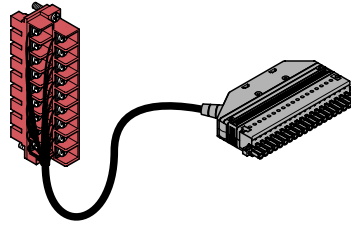
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

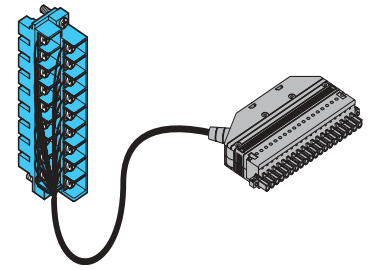
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25R	1746-RT25B

Board 16 I DIGITAL



Board 16 I DIGITAL

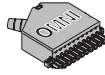


⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1746-IA 16	2		1746-IB 16	2 3	16 opto P ⁽¹⁾
1746-IM 16	2		1746-IN 16	2 3 ⁽¹⁾	16 opto P ⁽¹⁾
			1746-IV 16	2 3	
			1746-ITV 16	2 3	16 opto N/P
			1746-ITB 16	2 3	16 opto P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25R/OMN20/098	1SNA 021 610 R2700	1SNA 027 610 R2530	FA150/SLC RT25B/OMN20/099	1SNA 021 616 R1100	1SNA 027 616 R1700
2 m	FA200/SLC RT25R/OMN20/098	1SNA 021 611 R1400	1SNA 027 611 R1200	FA200/SLC RT25B/OMN20/099	1SNA 021 617 R1200	1SNA 027 617 R1000
2,5 m						
3 m	FA300/SLC RT25R/OMN20/098	1SNA 021 613 R1600	1SNA 027 613 R1400	FA300/SLC RT25B/OMN20/099	1SNA 021 619 R2400	1SNA 027 619 R2200
4 m						
5 m	FA500/SLC RT25R/OMN20/098	1SNA 021 615 R1000	1SNA 027 615 R1600	FA500/SLC RT25B/OMN20/099	1SNA 021 621 R1600	1SNA 027 621 R1400

interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

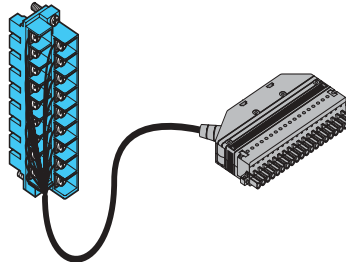
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

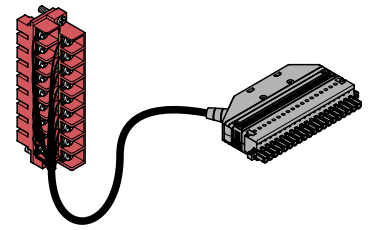
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25B	1746-RT25R

**Board 16 I DIGITAL
Board 16 O DIGITAL**



Board 16 O DIGITAL

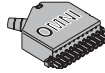


⁽¹⁾ For 24 VDC only

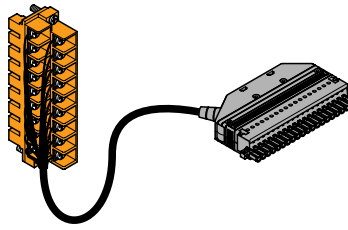
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGIT.		
1746-IG 16	2		1746-OA 16	2	
Boards 16 O DIGITAL					
1746-OV 16	2	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾			
1746-OB 16	2 3 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾			
1746-OG 16	2				
1746-OBP 16	2 3	16 Relays N / 16 opto N			
1746-OVP 16	2	16 Relays P / 16 opto P			

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25B/OMN20/100	1SNA 021 622 R1700	1SNA 027 622 R1500	FA150/SLC RT25R/OMN20/102	1SNA 021 634 R1300	1SNA 027 634 R1100
2 m	FA200/SLC RT25B/OMN20/100	1SNA 021 623 R1000	1SNA 027 623 R1600	FA200/SLC RT25R/OMN20/102	1SNA 021 635 R1400	1SNA 027 635 R1200
2,5 m						
3 m	FA300/SLC RT25B/OMN20/100	1SNA 021 625 R1200	1SNA 027 625 R1000	FA300/SLC RT25R/OMN20/102	1SNA 021 637 R1600	1SNA 027 637 R1400
4 m						
5 m	FA500/SLC RT25B/OMN20/100	1SNA 021 627 R1400	1SNA 027 627 R1200	FA500/SLC RT25R/OMN20/102	1SNA 021 639 R2000	1SNA 027 639 R2600

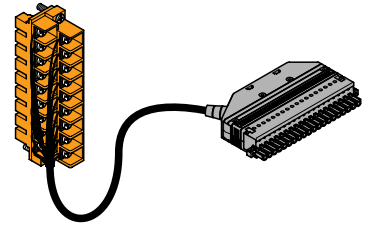
interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT.			Boards 8 O DIGITAL		
1746-OW 16	2	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	1746-OX 8	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25C/OMN20/103	1SNA 021 640 P0500	1SNA 027 640 P0300	FA150/SLC RT25C/OMN20/104	1SNA 021 646 P2700	1SNA 027 646 P2500
2 m	FA200/SLC RT25C/OMN20/103	1SNA 021 641 P2200	1SNA 027 641 P2000	FA200/SLC RT25C/OMN20/104	1SNA 021 647 P2000	1SNA 027 647 P2600
2,5 m						
3 m	FA300/SLC RT25C/OMN20/103	1SNA 021 643 P2400	1SNA 027 643 P2200	FA300/SLC RT25C/OMN20/104	1SNA 021 649 P0200	1SNA 027 649 P0000
4 m						
5 m	FA500/SLC RT25C/OMN20/103	1SNA 021 645 P2600	1SNA 027 645 P2400	FA500/SLC RT25C/OMN20/104	1SNA 021 651 P2400	1SNA 027 651 P2200

■ Wire markers optional:
 Consult us

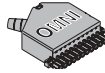
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

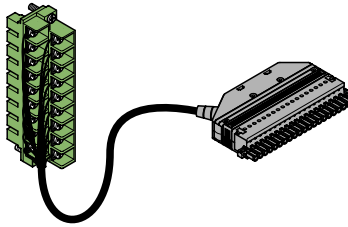
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25C	1746-RT25C

interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 6 I / 6 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I / 6 O DIGI.					
1746-IO 12	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/105	1SNA 021 652 P2500	1SNA 027 652 P2300			
2 m	FA200/SLC RT25G/OMN20/105	1SNA 021 653 P2600	1SNA 027 653 P2400			
2,5 m						
3 m	FA300/SLC RT25G/OMN20/105	1SNA 021 655 P2000	1SNA 027 655 P2600			
4 m						
5 m	FA500/SLC RT25G/OMN20/105	1SNA 021 657 P2200	1SNA 027 657 P2000			

■ Wire markers optional:
 Consult us

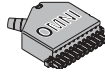
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	1746-RT25G	

interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
 Consult us

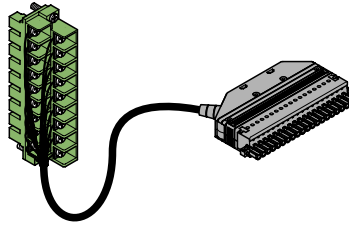
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

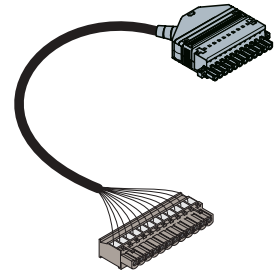
Board 8 I ANA



Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
1746-NI8	2	

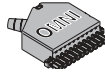
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/485	1SNA 036 024 F0200	1SNA 037 024 F0300	FA150/SLC RT28/OMN12/482	1SNA 036 006 F1100	1SNA 037 006 F1200
2 m	FA200/SLC RT25G/OMN20/485	1SNA 036 025 F0300	1SNA 037 025 F0400	FA200/SLC RT28/OMN12/482	1SNA 036 007 F1200	1SNA 037 007 F1300
2,5 m						
3 m	FA300/SLC RT25G/OMN20/485	1SNA 036 027 F0500	1SNA 037 027 F0600	FA300/SLC RT28/OMN12/482	1SNA 036 009 F2400	1SNA 037 009 F2500
4 m						
5 m	FA500/SLC RT25G/OMN20/485	1SNA 036 029 F1700	1SNA 037 029 F1000	FA500/SLC RT28/OMN12/482	1SNA 036 011 F0500	1SNA 037 011 F0600

Board 4 I ANA
Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface
Boards 4 I ANA		
1746-NI4	0	
Board 2I/2O ANA		
1746-NIO4I	0	
1746-NIO4V	0	

interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
 Consult us

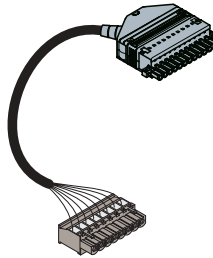
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT27

Board 4 O ANA



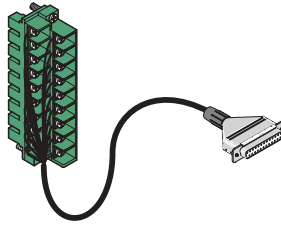
Type of board	Connector interface	Decoupling interface
Boards 4 O ANA		
1746-NO4V	0	
1746-NO4I	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/OMN12/483	1SNA 036 012 F0600	1SNA 037 012 F0700			
2 m	FA200/SLC RT27/OMN12/483	1SNA 036 013 F0700	1SNA 037 013 F0800			
2,5 m						
3 m	FA300/SLC RT27/OMN12/483	1SNA 036 015 F0100	1SNA 037 015 F0200			
4 m						
5 m	FA500/SLC RT27/OMN12/483	1SNA 036 017 F0300	1SNA 037 017 F0400			

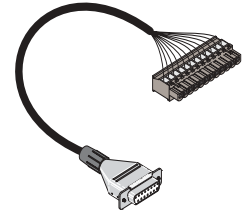
interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Sub D connectors



Board 8 I ANA



Board 4 I ANA
Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 2 I / 2 O ANA		
1746-NI8	Sub D 25		1746-NI 04 I	Sub D 15	
			1746-NI 04 V	Sub D 15	
			Boards 4 I ANA		
			1746-NI 4	Sub D 15	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/SUBD25/436	1SNA 029 702 F0000	1SNA 034 702 F2500	FA150/SLC RT28/SUBD15/096	1SNA 021 598 F1000	1SNA 027 598 F1600
2 m	FA200/SLC RT25G/SUBD25/436	1SNA 029 703 F0100	1SNA 034 703 F2600	FA200/SLC RT28/SUBD15/096	1SNA 021 599 F1100	1SNA 027 599 F1700
2,5 m						
3 m	FA300/SLC RT25G/SUBD25/436	1SNA 029 705 F0300	1SNA 034 705 F2000	FA300/SLC RT28/SUBD15/096	1SNA 021 601 F2300	1SNA 027 601 F2100
4 m						
5 m	FA500/SLC RT25G/SUBD25/436	1SNA 029 707 F0500	1SNA 034 707 F2200	FA500/SLC RT28/SUBD15/096	1SNA 021 603 F2500	1SNA 027 603 F2300

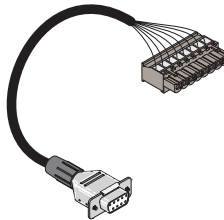
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34 mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

interfast 2
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Sub D connectors



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1746-NO 4 V	Sub D 9				
1746-NO 4 I	Sub D 9				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

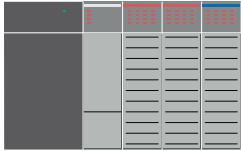
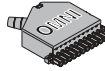
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/SUBD9/097	1SNA 021 604 F2600	1SNA 027 604 F2400			
2 m	FA200/SLC RT27/SUBD9/097	1SNA 021 605 F2700	1SNA 027 605 F2500			
2,5 m						
3 m	FA300/SLC RT27/SUBD9/097	1SNA 021 607 F2100	1SNA 027 607 F2700			
4 m						
5 m	FA500/SLC RT27/SUBD9/097	1SNA 021 609 F0300	1SNA 027 609 F0100			

Characteristics

Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT27

interfast 3
Allen Bradley® PLC
SLC 500
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
 Consult us

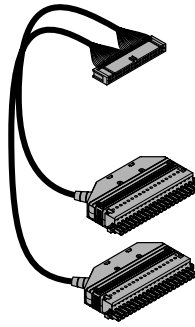
■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

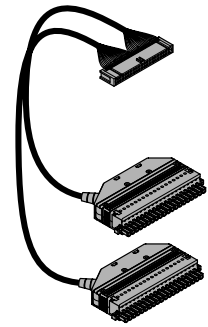
Characteristics

Type of interface connector	2 Omniconnect 20 points		2 Omniconnect 20 points	
Wire size	0,14mm ² - 26 AWG		0,14mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM		138 Ω/KM - 120 nF/KM	
PLC connector reference	1 HE 10/40 points		1 HE 10/40 points	

Board 32 I DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
1746-IB32	2 3 6 7	16 opto P	1746-OB32	2 3 6 7 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾
1746-IV32	2 6	16 opto N/P	1746-OB32 E	2 3 6 7	16 Relays N / 16 opto N
			1746-OV32	2 6	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-40/2xOMN20/154/UL		1SNA 037 560 R2500	LA100/HE10-40/2xOMN20/153/UL		1SNA 037 559 R2000
1,5 m	LA150/HE10-40/2xOMN20/154/UL		1SNA 028 030 R2400	LA150/HE10-40/2xOMN20/153/UL		1SNA 028 024 R1200
2 m	LA200/HE10-40/2xOMN20/154/UL		1SNA 028 031 R1100	LA200/HE10-40/2xOMN20/153/UL		1SNA 028 025 R1300
2,5 m						
3 m	LA300/HE10-40/2xOMN20/154/UL		1SNA 028 033 R1300	LA300/HE10-40/2xOMN20/153/UL		1SNA 028 027 R1500
4 m						
5 m	LA500/HE10-40/2xOMN20/154/UL		1SNA 028 035 R1500	LA500/HE10-40/2xOMN20/153/UL		1SNA 028 029 R2700

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

CONNECTION TECHNOLOGY SELECTION GUIDE

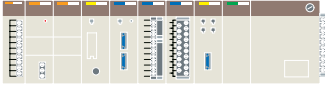
OMRON PLC C200H

interfast 2

Swing arm pre-wired by ENTRELEC

interfast 3

PLC used has a connector on the card

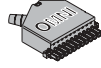


Multipurpose cable

See chapter
"Connection cables"



HDI High density range



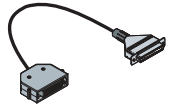
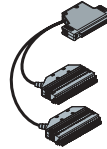
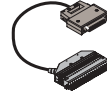
STI standard range



Sub D range Shielded cable



Shielded Sub D cable



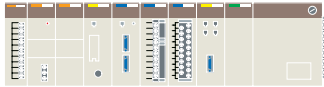
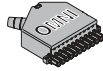
References

See opposite page See opposite page See opposite page See opposite page See opposite page See opposite page

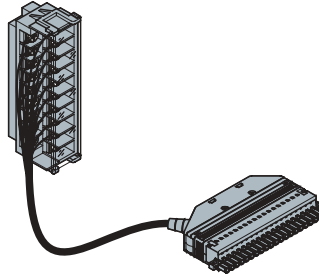
Boards 96 I DIGITAL						
CS1W - ID 291						Page 111
Boards 96 O DIGITAL						
CS1W - OD 291						Page 111
CS1W - OD 292						Page 111
Boards 64 I DIGITAL						
C200H - ID 111 / 217 / 219						Page 113
Boards 64 O DIGITAL						
C200H - OD 219						Page 113
CS1W - OD 262						Page 113
Boards 48 I / 48 O DIGITAL						
CS1W - MD 291						Page 112
CS1W - MD 292						Page 112
Boards 32 I DIGITAL						
C200H - ID 215						Page 113
C200H - ID 216 / 218						Page 113
C200H - ID 501						Page 113
Boards 32 O DIGITAL						
C200H - OD 215						Page 113
C200H - OD 218						Page 113
C200H - OD 501						Page 113
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Boards 16 I DIGITAL						
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C200H - ID 212			Page 107			
C200H - IM 212			Page 107			
Boards 16 O DIGITAL						
C200H - OC 224 / 225 / 226			Page 107			
C200H - OD 21A / 212			Page 107			
Boards 12 O DIGITAL						
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C200H - OC 222			Page 107			
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C200H - OD 217			Page 107			
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C200H - IM 211			Page 108			
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C200H - OA 221 / 223			Page 108			
C200H - OC 221			Page 108			
C200H - OC 224V			Page 107			
C200H - OD 213 / 214 / 216 / 411			Page 108			
C200HS - INT 01			Page 108			
Boards 5 O DIGITAL						
C200H - OC 223			Page 108			
Boards 8 I ANA						
C200H - AD 002						Page 114
Boards 8 O ANA						
C200H - DA 002		Page 109	Page 110			

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector



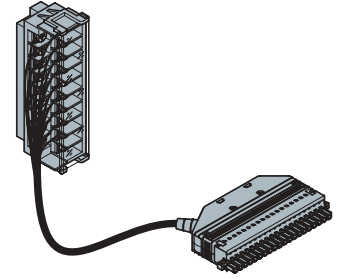
Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
C200H - IA 122	2	
C200H - IA 222	2	
C200H - ID 212	2 3	16 opto N/P
C200H - IM 212	2 3 ⁽¹⁾	16 opto N/P

Board 16 O DIGITAL Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL		
C200H - OC 224	2	
C200H - OC 225	2 3 ⁽¹⁾	16 Relays P ⁽¹⁾⁽²⁾ /16 opto P ⁽¹⁾⁽²⁾
C200H - OD 212	2 3 ⁽¹⁾	16 Relays P/16 opto P
C200H - OD 21A	2	
C200H - OC 226	2	
Boards 8 O DIGITAL		
C200H - OC 224V	2	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

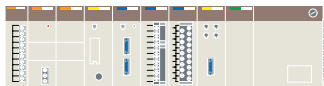
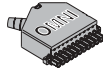
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/273	1SNA 026 774 P2400	1SNA 028 774 P0600	FA150/C200H/OMN20/273	1SNA 026 774 P2400	1SNA 028 774 P0600
2 m	FA200/C200H/OMN20/273	1SNA 026 775 P2500	1SNA 028 775 P0700	FA200/C200H/OMN20/273	1SNA 026 775 P2500	1SNA 028 775 P0700
2,5 m						
3 m	FA300/C200H/OMN20/273	1SNA 026 777 P2700	1SNA 028 777 P0100	FA300/C200H/OMN20/273	1SNA 026 777 P2700	1SNA 028 777 P0100
4 m						
5 m	FA500/C200H/OMN20/273	1SNA 026 779 P0100	1SNA 028 779 P1300	FA500/C200H/OMN20/273	1SNA 026 779 P0100	1SNA 028 779 P1300

Characteristics

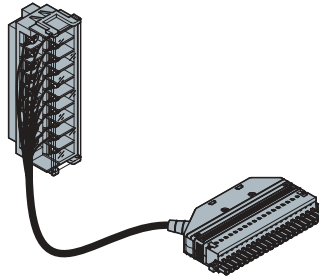
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Boards 12 O DIGITAL

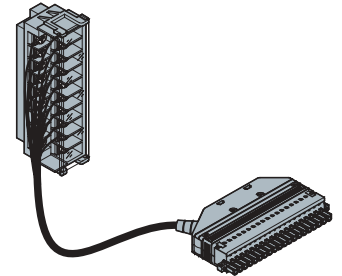


⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL		
C200H - OA 222V	2	
C200H - OA 224	2 ⁽¹⁾	
C200H - OC 222	2 3 ⁽¹⁾	12 Relays N/P ⁽¹⁾⁽²⁾
C200H - OD 211	2	12 Relays N/P

Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL		
C200H-OD217	2 3 ⁽¹⁾	12 Relays N/P ⁽¹⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

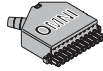
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/272	1SNA 026 768 P0600	1SNA 028 768 P1000	FA150/C200H/OMN20/292	1SNA 026 888 P1000	1SNA 028 888 P2200
2 m	FA200/C200H/OMN20/272	1SNA 026 769 P0700	1SNA 028 769 P1100	FA200/C200H/OMN20/292	1SNA 026 889 P1100	1SNA 028 889 P2300
2,5 m						
3 m	FA300/C200H/OMN20/272	1SNA 026 771 P2100	1SNA 028 771 P0300	FA300/C200H/OMN20/292	1SNA 026 891 P0300	1SNA 028 891 P1500
4 m						
5 m	FA500/C200H/OMN20/272	1SNA 026 773 P2300	1SNA 028 773 P0500	FA500/C200H/OMN20/292	1SNA 026 893 P0500	1SNA 028 893 P1700

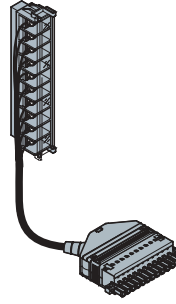
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

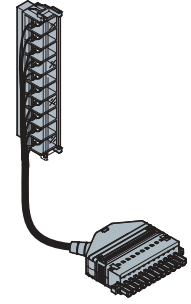
interfast 2
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Board 8 I DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only
⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
C200H - IA 121			C200H - OA 221		
C200H - IA 221			C200H - OA 223		
C200H - ID 211		8 opto N/P ⁽¹⁾	C200H - OA 122-E		
C200H - IM 211		8 opto N/P ⁽¹⁾	C200H - OC 221		8 Relays P ⁽¹⁾⁽²⁾
C200H - INT 01		8 opto N/P ⁽¹⁾	C200H - OD 213		8 Relays P
			C200H - OD 214		8 Relays N
			C200H - OD 216		
			C200H - OD 411		8 Relays N/P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	1SNA 026 780 R2700	1SNA 028 780 R0100	FA150/C200H/OMN12/274	1SNA 026 780 R2700	1SNA 028 780 R0100
2 m	FA200/C200H/OMN12/274	1SNA 026 781 R1400	1SNA 028 781 R2600	FA200/C200H/OMN12/274	1SNA 026 781 R1400	1SNA 028 781 R2600
2,5 m						
3 m	FA300/C200H/OMN12/274	1SNA 026 783 R1600	1SNA 028 783 R2000	FA300/C200H/OMN12/274	1SNA 026 783 R1600	1SNA 028 783 R2000
4 m						
5 m	FA500/C200H/OMN12/274	1SNA 026 785 R1000	1SNA 028 785 R2200	FA500/C200H/OMN12/274	1SNA 026 785 R1000	1SNA 028 785 R2200

■ Wire markers optional:
Consult us

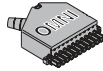
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

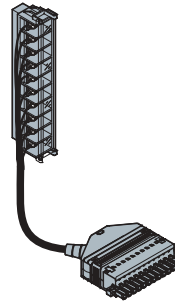
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210B	C200H - PAR - EPTC 210B

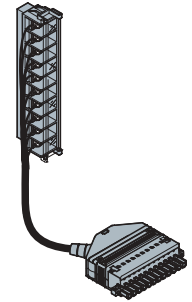
interfast 2
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Board 8 O DIGITAL



Board 5 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 5 O DIGITAL		
C200HS - INT 01		8 opto N/P ⁽¹⁾	C200H - OC 223		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	1SNA 026 780 R2700	1SNA 028 780 R0100	FA150/C200H/OMN12/275	1SNA 026 786 R1100	1SNA 028 786 R2300
2 m	FA200/C200H/OMN12/274	1SNA 026 781 R1400	1SNA 028 781 R2600	FA200/C200H/OMN12/275	1SNA 026 787 R1200	1SNA 028 787 R2400
2,5 m						
3 m	FA300/C200H/OMN12/274	1SNA 026 783 R1600	1SNA 028 783 R2000	FA300/C200H/OMN12/275	1SNA 026 789 R2400	1SNA 028 789 R0600
4 m						
5 m	FA500/C200H/OMN12/274	1SNA 026 785 R1000	1SNA 028 785 R2200	FA500/C200H/OMN12/275	1SNA 026 791 R1600	1SNA 028 791 R2000

■ Wire markers optional:
Consult us

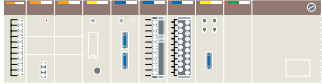
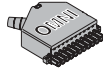
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

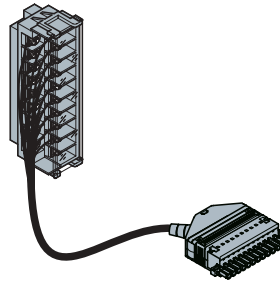
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210 B	C200H - PAR - EPTC 210 B

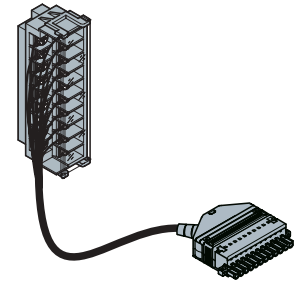
interfast 2
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Board 8 O ANA
Current



Board 8 O ANA
Voltage



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	0		Boards 8 O ANA C200H - DA 002	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/520	1SNA 036 228 R2300	1SNA 037 228 R2400	FA150/C200H/OMN12/519	1SNA 036 222 R1500	1SNA 037 222 R1600
2 m	FA200/C200H/OMN12/520	1SNA 036 229 R2400	1SNA 037 229 R2500	FA200/C200H/OMN12/519	1SNA 036 223 R1600	1SNA 037 223 R1700
2,5 m						
3 m	FA300/C200H/OMN12/520	1SNA 036 231 R1600	1SNA 037 231 R1700	FA300/C200H/OMN12/519	1SNA 036 225 R1000	1SNA 037 225 R1100
4 m						
5 m	FA500/C200H/OMN12/520	1SNA 036 233 R1000	1SNA 037 233 R1100	FA500/C200H/OMN12/519	1SNA 036 227 R1200	1SNA 037 227 R1300

■ Wire markers optional:
Consult us

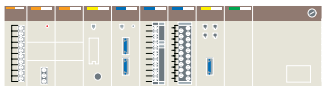
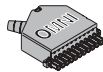
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

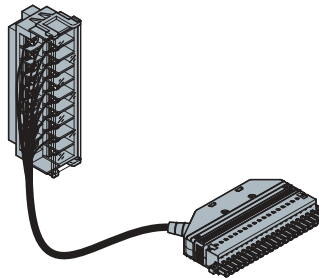
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Boards 8 O ANA
Current / Voltage



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/273	1SNA 026 774 R2400	1SNA 028 774 R0600			
2 m	FA200/C200H/OMN20/273	1SNA 026 775 R2500	1SNA 028 775 R0700			
2,5 m						
3 m	FA300/C200H/OMN20/273	1SNA 026 777 R2700	1SNA 028 777 R0100			
4 m						
5 m	FA500/C200H/OMN20/273	1SNA 026 779 R0100	1SNA 028 779 R1300			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

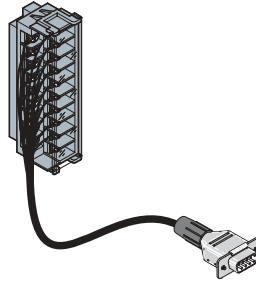
Characteristics

Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	C200H - PAR - PTC 219	

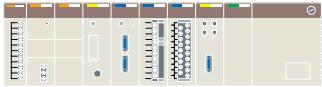
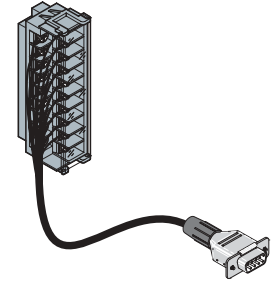
interfast 2
Omron PLC C200H
Swing arm with cable and
Sub D connector



Boards 8 O ANA
Current Output



Board 8 S ANA
Voltage source



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	SubD9		Boards 8 S ANA C200H - DA 002	SubD9	

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD9/348	1SNA 029 620 R0100	1SNA 034 620 R2600	FA150/C200H/SubD9/347	1SNA 029 614 R2700	1SNA 034 614 R1400
2 m	FA200/C200H/SubD9/348	1SNA 029 621 R2600	1SNA 034 621 R1300	FA200/C200H/SubD9/347	1SNA 029 615 R2000	1SNA 034 615 R1500
2,5 m						
3 m	FA300/C200H/SubD9/348	1SNA 029 623 R2000	1SNA 034 623 R1500	FA300/C200H/SubD9/347	1SNA 029 617 R2200	1SNA 034 617 R1700
4 m						
5 m	FA500/C200H/SubD9/348	1SNA 029 625 R2200	1SNA 034 625 R1700	FA500/C200H/SubD9/347	1SNA 029 619 R0400	1SNA 034 619 R2100

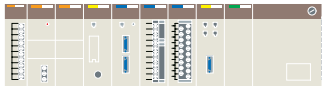
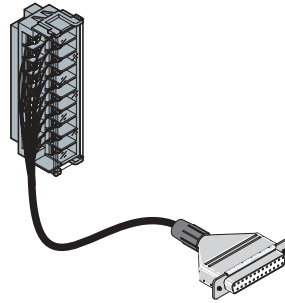
Characteristics

Type of interface connector	1 Sub D 9 points female	1 Sub D 9 points female
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2
Omron PLC C200H
Swing arm with cable and
Sub D connector



Board 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 S ANA C200H - DA 002	SubD25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

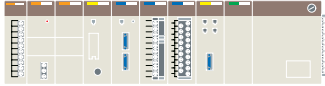
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD25/349	1SNA 029 608 R1200	1SNA 034 608 R0700			
2 m	FA200/C200H/SubD25/349	1SNA 029 609 R1300	1SNA 034 609 R0000			
2,5 m						
3 m	FA300/C200H/SubD25/349	1SNA 029 611 R2400	1SNA 034 611 R1100			
4 m						
5 m	FA500/C200H/SubD25/349	1SNA 029 613 R2600	1SNA 034 613 R1300			

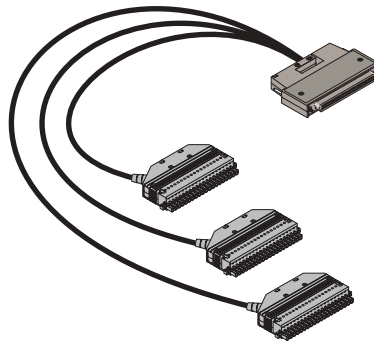
Characteristics

Type of interface connector	1 Sub D 25 points female	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	C200H - PAR - PTC 219	

interfast 3
Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector



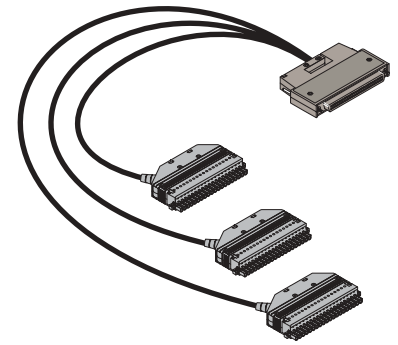
Board 96 I DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL		
CS1W-ID291	2 3 6 7	16 opto N/P

Board 96 O DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 96 O DIGITAL		
CS1W-OD291	2 3 6 7	16 relays P / 16 opto P

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

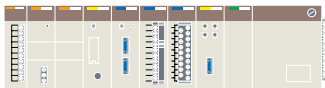
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		1SNA 037 234 P12:00	FA150/OMRON/3xOMN20/593/UL		1SNA 037 240 P04:00
2 m	FA200/OMRON/3xOMN20/594/UL		1SNA 037 235 P13:00	FA200/OMRON/3xOMN20/593/UL		1SNA 037 241 P21:00
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		1SNA 037 237 P15:00	FA300/OMRON/3xOMN20/593/UL		1SNA 037 243 P23:00
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		1SNA 037 239 P27:00	FA500/OMRON/3xOMN20/593/UL		1SNA 037 245 P25:00

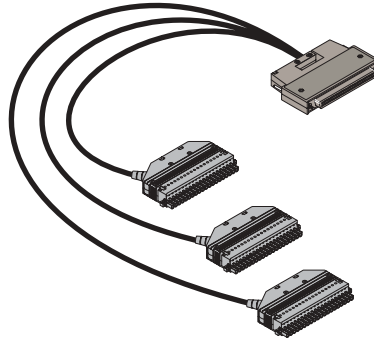
Characteristics

Type of interface connector	3 Omniconnect 20 points	3 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3
Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 96 O DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface
Boards 96 O DIGITAL		
CS1W-OD292	2 3 6 7	16 relays N / 16 opto N

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

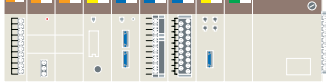
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/592/UL		1SNA 037 192 P01:00			
2 m	FA200/OMRON/3xOMN20/592/UL		1SNA 037 193 P02:00			
2,5 m						
3 m	FA300/OMRON/3xOMN20/592/UL		1SNA 037 195 P04:00			
4 m						
5 m	FA500/OMRON/3xOMN20/592/UL		1SNA 037 197 P06:00			

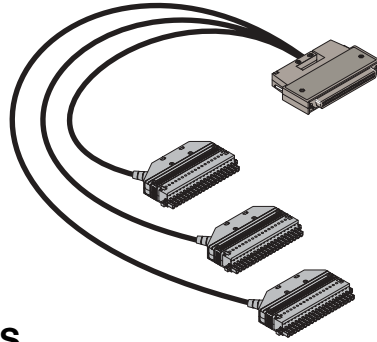
Characteristics

Type of interface connector	3 Omniconnect 20 points	3 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3
Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD291	2 3 6 7	16 opto N/P	CS1W-MD291	2 3 6 7	16 relays P / 16 opto P

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

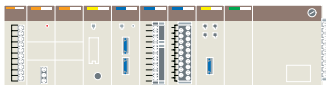
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		1SNA 037 234 R1200	FA150/OMRON/3xOMN20/593/UL		1SNA 037 240 P0400
2 m	FA200/OMRON/3xOMN20/594/UL		1SNA 037 235 R1300	FA200/OMRON/3xOMN20/593/UL		1SNA 037 241 P2100
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		1SNA 037 237 R1500	FA300/OMRON/3xOMN20/593/UL		1SNA 037 243 P2300
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		1SNA 037 239 P2700	FA500/OMRON/3xOMN20/593/UL		1SNA 037 245 P2500

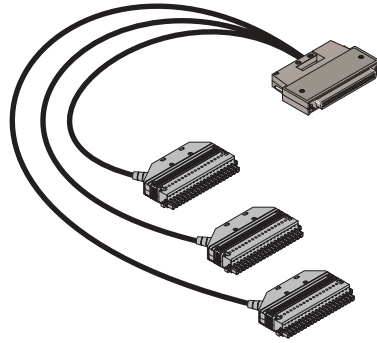
Characteristics

Type of interface connector	3 Omniconnect 20 points	3 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3
Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD292	2 3 6 7	16 opto N/P	CS1W-MD292	2 3 6 7	16 relays N / 16 opto N

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		1SNA 037 234 R1200	FA150/OMRON/3xOMN20/592/UL		1SNA 037 192 P0100
2 m	FA200/OMRON/3xOMN20/594/UL		1SNA 037 235 R1300	FA200/OMRON/3xOMN20/592/UL		1SNA 037 193 P0200
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		1SNA 037 237 R1500	FA300/OMRON/3xOMN20/592/UL		1SNA 037 195 P0400
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		1SNA 037 239 P2700	FA500/OMRON/3xOMN20/592/UL		1SNA 037 197 P0600

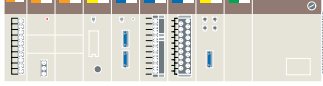
Characteristics

Type of interface connector	3 Omniconnect 20 points	3 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

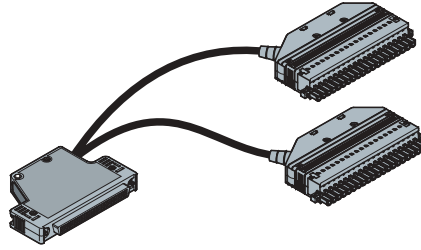
interfast 3

Omron PLC C200H

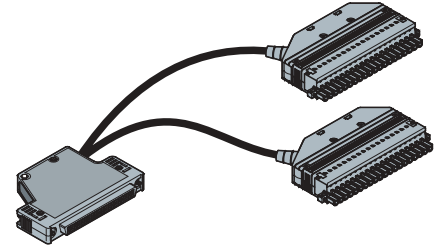
PLC board with built-in connector. Cable with Omnicconnect connector



Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board

⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
C200H - ID 111 ⁽²⁾	2 6		C200H - OD 219 ⁽²⁾	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 217 ⁽²⁾	2 3 6 7	16 opto N/P	CS1W - OD 262 ⁽²⁾	2 6	16 relays N / 16 opto N
C200H - ID 219 ⁽²⁾	2 3 6 7	16 opto N/P	Boards 32 O DIGITAL		
Boards 32 I DIGITAL			C200H - OD 218	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 216	2 3 6 7	16 opto N/P	C200H - OD 21B	2 6	16 relays N / 16 opto N
C200H - ID 218	2 3 6 7	16 opto N/P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/2xOMN20/269/UL		1SNA 028 750 P12:00	FA150/OMRON/2xOMN20/270/UL		1SNA 028 756 P04:00
2 m	FA200/OMRON/2xOMN20/269/UL		1SNA 028 751 P07:00	FA200/OMRON/2xOMN20/270/UL		1SNA 028 757 P05:00
2,5 m						
3 m	FA300/OMRON/2xOMN20/269/UL		1SNA 028 753 P01:00	FA300/OMRON/2xOMN20/270/UL		1SNA 028 759 P17:00
4 m						
5 m	FA500/OMRON/2xOMN20/269/UL		1SNA 028 755 P03:00	FA500/OMRON/2xOMN20/270/UL		1SNA 028 761 P01:00

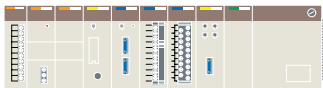
Characteristics

Type of interface connector	2 Omnicconnect 20 points	2 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

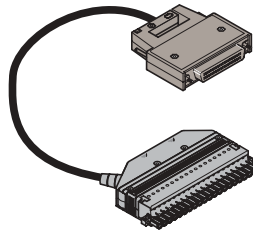
interfast 3

Omron PLC C200H

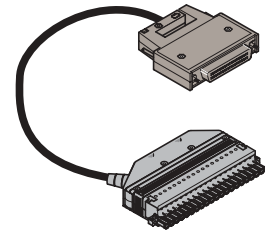
PLC board with built-in connector. Cable with Omnicconnect connector



Board 32 I DIGITAL Board 32 O DIGITAL



Board 16 I / 16 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 32 I DIGITAL			Boards 16I/16O DIGI.			
C200H - ID 215 ⁽²⁾	2 3 6 7	16 opto N/P	C200H - MD 115 ⁽²⁾	2 3		16 relays P ⁽¹⁾ 16 opto P ⁽¹⁾
C200H - ID 501 ⁽²⁾	2 6		Boards 32 O DIGITAL			
C200H - OD 215 ⁽²⁾	2 6	16 relays P ⁽¹⁾ /16 opto P ⁽¹⁾	C200H - MD 215 ⁽²⁾	2 3 6 7 ⁽¹⁾	16 opto N ⁽¹⁾	16 opto P
C200H - OD 501 ⁽²⁾	2 6		C200H - MD 501 ⁽²⁾	2 6		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/271/UL		1SNA 028 762 P02:00	FA150/C200H/OMN20/271/UL		1SNA 028 762 P02:00
2 m	FA200/C200H/OMN20/271/UL		1SNA 028 763 P03:00	FA200/C200H/OMN20/271/UL		1SNA 028 763 P03:00
2,5 m						
3 m	FA300/C200H/OMN20/271/UL		1SNA 028 765 P05:00	FA300/C200H/OMN20/271/UL		1SNA 028 765 P05:00
4 m						
5 m	FA500/C200H/OMN20/271/UL		1SNA 028 767 P07:00	FA500/C200H/OMN20/271/UL		1SNA 028 767 P07:00

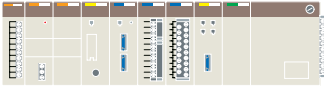
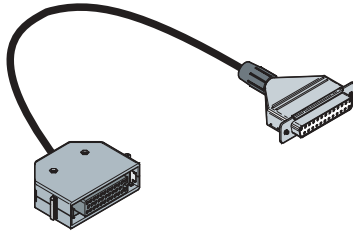
Characteristics

Type of interface connector	1 Omnicconnect 20 points	1 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 24 points	Fujitsu 24 points

interfast 3
Omron PLC C200H
PLC board with built-in
connector. Cable with Sub D
connector



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
C200H - AD 002	Sub D 25				

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SUBD25/285	1SNA 026 846 R1500	1SNA 028 846 R2700			
2 m	FA200/C200H/SUBD25/285	1SNA 026 847 R1600	1SNA 028 847 R2000			
2,5 m						
3 m	FA300/C200H/SUBD25/285	1SNA 026 849 R2000	1SNA 028 849 R0200			
4 m						
5 m	FA500/C200H/SUBD25/285	1SNA 026 851 R1200	1SNA 028 851 R2400			

Characteristics

Type of interface connector	1 Sub D 25 female points
Wire size	0,14 mm ² - Shielded 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	MR - 34 LFG

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

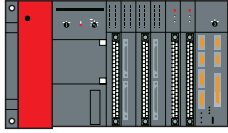
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

CONNECTION TECHNOLOGY SELECTION GUIDE

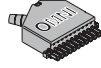
MITSUBISHI PLC MELSEC A



interfast 2 Swing arm pre-wired by ENTRELEC

interfast 3 PLC used has a connector on the card

HDI High density range



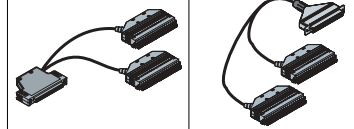
STI standard range



Sub D range Shielded cable



STI range cable



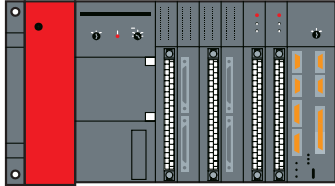
Multipurpose cable

See chapter "Connection cables"

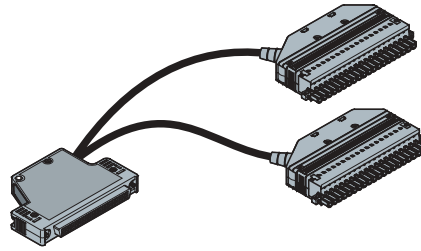


References	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
Boards 64 I DIGITAL						
AX42					Page 116	
AX42-S1					Page 116	
AX82						Page 116
Boards 64 O DIGITAL						
AY42					Page 116	
AY42-S1					Page 116	
AY42-S3					Page 116	
AY42-S4					Page 116	
AY72					Page 116	
AY82EP						Page 116
Boards 32 I DIGITAL						
AX11		Consult us				
AX21 / AX21EU		Consult us				
AX31C		Consult us				
AX41 / AX41-S1		Consult us				
AX71		Consult us				
AX81 / AX81-S1 / AX81-S2		Consult us				
Boards 32 O DIGITAL						
AY13 / AY13E		Consult us				
AY23		Consult us				
AY41 / AY41P		Consult us				
AY51 / AY51-S1		Consult us				
AY71		Consult us				
AY81 / AY81EP		Consult us				
Boards 24 O DIGITAL						
AY15EU		Consult us				
Boards 16 I DIGITAL						
AX10		Consult us				
AX20		Consult us				
AX40		Consult us				
AX50 / AX50-S1		Consult us				
AX60 / AX60-S1		Consult us				
AX70		Consult us				
AX80 / AX80E		Consult us				
Boards 16 O DIGITAL						
AY10 / AY10A	Consult us					
AY11 / AY11A / AY11E	Consult us					
AY20EU	Consult us					
AY22	Consult us					
AY40 / AY40A / AY40P	Consult us					
AY50	Consult us					
AY60 / AY60E / AY60S / AY60EP	Consult us					
AY70	Consult us					
AY80 / AY80EP	Consult us					
Boards 16 I ANA						
A616AD	Consult us		Consult us			
Boards 16 O ANA						
A616DAV / A616DAI	Consult us		Consult us			
Boards 8 I ANA						
A68AD / A68ADN	Consult us		Consult us			
A68RD3 / A68RD4	Consult us		Consult us			
Boards 8 O ANA						
A68DAV / A68DAI	Consult us		Consult us			
A68AD / A68ADN	Consult us		Consult us			
Boards 2 O ANA						
A62DA	Consult us		Consult us			

interfast 3
Mitsubishi PLC MELSEC A
PLC board with built-in
connector. Cable with
Omniconnect connector



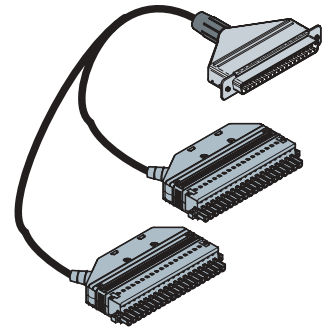
Board 64 I DIGITAL



Note : 2 cables per PLC board
 (1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.			Boards 64 I DIGITAL		
AX42	2 3 6 7 (1)	16 opto N (1)	AX 82	2 3 6 7 (1)	16 opto P (1)
AX42-S1	2 3 6 7 (1)	16 opto N (1)			

Board 64 I DIGITAL



Note : 2 cables per PLC board
 (1) For 24 VDC only

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

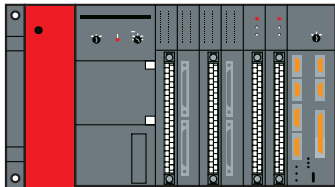
Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		1SNA 034 846 R15:00	FA150/MELSEC/2xOMN20/325/UL		1SNA 034 086 R07:00
2 m	FA200/MELSEC/2xOMN20/463/UL		1SNA 034 847 R16:00	FA200/MELSEC/2xOMN20/325/UL		1SNA 034 087 R08:00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		1SNA 034 849 R20:00	FA300/MELSEC/2xOMN20/325/UL		1SNA 034 089 R12:00
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		1SNA 034 851 R12:00	FA500/MELSEC/2xOMN20/325/UL		1SNA 034 091 R04:00

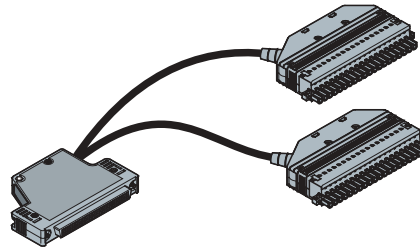
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	1 Sub D 37 male points

interfast 3
Mitsubishi PLC MELSEC A
PLC board with built-in
connector. Cable with
Omniconnect connector



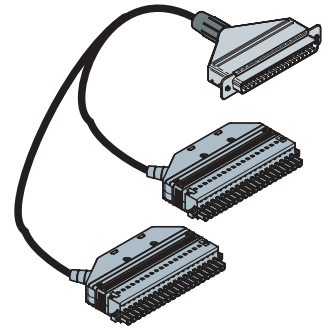
Board 64 O DIGITAL



Note : 2 cables per PLC board
 (1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 O DIGIT.			Boards 64 O DIGIT.		
AY42	2 6	16 relays P (1)	AY 82 EP	2 3 6 7 (1)	16 relays N (1)
AY42-S1	2 6	16 relays P (1)			
AY42-S3	2 6	16 relays P (1)			
AY42-S4	2 6	16 relays P (1)			
AY72	2 6				

Board 64 O DIGITAL



Note : 2 cables per PLC board
 (1) For 24 VDC only

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

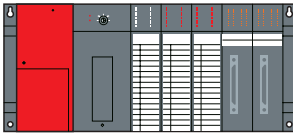
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/464/UL		1SNA 034 852 R13:00	FA150/MELSEC/2xOMN20/326/UL		1SNA 034 092 R05:00
2 m	FA200/MELSEC/2xOMN20/464/UL		1SNA 034 853 R14:00	FA200/MELSEC/2xOMN20/326/UL		1SNA 034 093 R06:00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/464/UL		1SNA 034 855 R16:00	FA300/MELSEC/2xOMN20/326/UL		1SNA 034 095 R08:00
4 m						
5 m	FA500/MELSEC/2xOMN20/464/UL		1SNA 034 857 R10:00	FA500/MELSEC/2xOMN20/326/UL		1SNA 034 097 R02:00

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	1 Sub D 37 male points

CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC AnS



Multipurpose cable

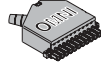
See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

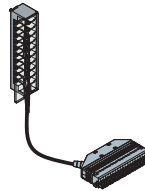
HDI High density range



STI standard range



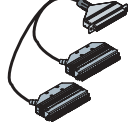
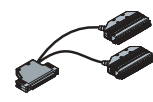
Sub D range Shielded cable



interfast 3

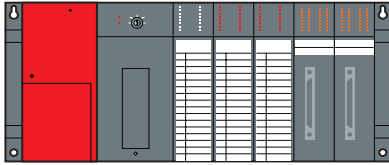
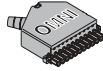
PLC used has a connector on the card

STI range cable

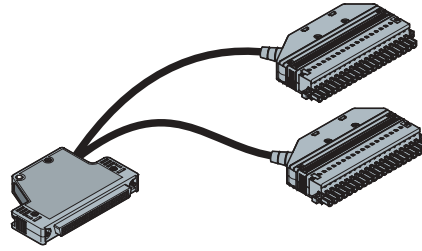


References	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page	See opposite page
Boards 64 I DIGITAL						
A1SX42					Page 118	
A1SX42-S2					Page 118	
Boards 64 O DIGITAL						
A1SY42					Page 118	
Boards 32 I DIGITAL						
A1SX41					Page 118	
A1SX41-S2					Page 118	
A1SX71					Page 118	
A1SX81						Page 118
A1SX81-S2						Page 118
Boards 32 O DIGITAL						
A1SY41					Page 118	
A1SY71					Page 118	
A1SY81						Page 118
Boards 16 I DIGITAL						
A1SX10EU						
A1SX20						
A1SX20EU						
A1SX30		Consult us				
A1SX40-S1/A1SX40-S2		Consult us				
A1SP60		Consult us				
A1SI61		Consult us				
A1SX80		Consult us				
A1SX80-S1/A1SX80-S2		Consult us				
Boards 16 O DIGITAL						
A1SY10		Consult us				
A1SY10EU		Consult us				
A1SY22						
A1SY40		Consult us				
A1SY50		Consult us				
A1SY60		Consult us				
A1SY60E		Consult us				
A1SY80		Consult us				
Boards 12 O DIGITAL						
A1SY14EU		Consult us				
Boards 8 O DIGITAL						
A1SY18A						
A1SY18AEU						
A1SY28A						
A1SY68A		Consult us				
Boards 8 I ANA						
A1S68AD			Consult us			
A1S68TD			Consult us			
Boards 8 O ANA						
A1S68DAV			Consult us			
A1S68DAI			Consult us			
Boards 4 I ANA						
A1S64AD			Consult us			
Boards 2 I ANA						
A1S62RD3			Consult us			
A1S62RD4			Consult us			
Boards 2 O ANA						
A1S62DA			Consult us			
Boards 2 I / 1 O ANA						
A1S63ADA			Consult us			

interfast 3
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omniconnect connector

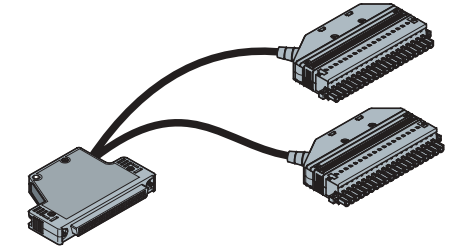


Board 64 I DIGITAL
Board 32 I DIGITAL



⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.			Boards 64 O DIGIT.		
A1SX42 ⁽²⁾		16 opto N/P ⁽¹⁾	A1SY42 ⁽²⁾		16 relays P ⁽¹⁾
A1SX42-S2 ⁽²⁾		16 opto N/P	Boards 32 O DIGIT.		
Boards 32 I DIGIT.			A1SY41		16 relays P ⁽¹⁾
A1SX41		16 opto N/P ⁽¹⁾	A1SY71		
A1SX41-S2		16 opto N/P			
A1SX71		16 opto N/P ⁽¹⁾			



⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

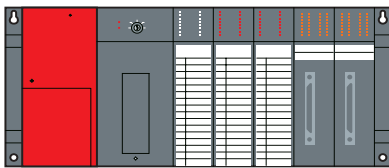
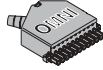
Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		1SNA 034 846 R15:00	FA150/MELSEC/2xOMN20/464/UL		1SNA 034 852 R13:00
2 m	FA200/MELSEC/2xOMN20/463/UL		1SNA 034 847 R16:00	FA200/MELSEC/2xOMN20/464/UL		1SNA 034 853 R14:00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		1SNA 034 849 R20:00	FA300/MELSEC/2xOMN20/464/UL		1SNA 034 855 R16:00
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		1SNA 034 851 R12:00	FA500/MELSEC/2xOMN20/464/UL		1SNA 034 857 R10:00

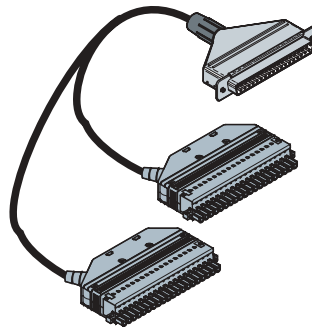
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

interfast 3
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I TOR			Boards 32 O DIGITAL		
A1SX81		16 opto N/P ⁽¹⁾	A1SY81		16 relays N ⁽¹⁾
A1SX81-S2		16 opto N/P			

⁽¹⁾ For 24 VDC only

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/325/UL		1SNA 034 086 R07:00	FA150/MELSEC/2xOMN20/326/UL		1SNA 034 092 R05:00
2 m	FA200/MELSEC/2xOMN20/325/UL		1SNA 034 087 R00:00	FA200/MELSEC/2xOMN20/326/UL		1SNA 034 093 R06:00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/325/UL		1SNA 034 089 R12:00	FA300/MELSEC/2xOMN20/326/UL		1SNA 034 095 R00:00
4 m						
5 m	FA500/MELSEC/2xOMN20/325/UL		1SNA 034 091 R04:00	FA500/MELSEC/2xOMN20/326/UL		1SNA 034 097 R02:00

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Sub D 37 male points	Sub D 37 male points



Prewired swing arms

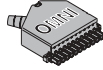
Summary

A9 - Connection cables

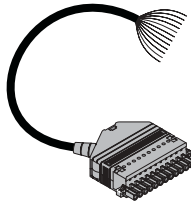
Multipurpose cables	120
Shielded cables	122

interfast 3

Multipurpose cables with Omniconnect connector

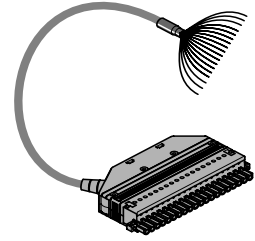


OMNICONNECT 12 PTS



Wires identified from 1 to 12

OMNICONNECT 20 PTS



Wires identified from 1 to 20

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL	0 1 4 5	8 relays / 8 opto	I/O DIGITAL	2 3 6 7	16 relays / 16 opto

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN12/419	1SNA 036 622 R1600	1SNA 037 622 R1700	LAF100/UNI/OMN20/418	1SNA 036 556 R1400	1SNA 037 556 R1500
1,5 m	LAF150/UNI/OMN12/419	1SNA 026 168 R2500	1SNA 028 168 R0700	LAF150/UNI/OMN20/418	1SNA 026 174 R1300	1SNA 028 174 R2500
2 m	LAF200/UNI/OMN12/419	1SNA 026 169 R2600	1SNA 028 169 R0000	LAF200/UNI/OMN20/418	1SNA 026 175 R1400	1SNA 028 175 R2600
2,5 m						
3 m	LAF300/UNI/OMN12/419	1SNA 026 171 R1000	1SNA 028 171 R2200	LAF300/UNI/OMN20/418	1SNA 026 177 R1600	1SNA 028 177 R2000
4 m						
5 m	LAF500/UNI/OMN12/419	1SNA 026 173 R1200	1SNA 028 173 R2400	LAF500/UNI/OMN20/418	1SNA 026 179 R2000	1SNA 028 179 R0200

Characteristics

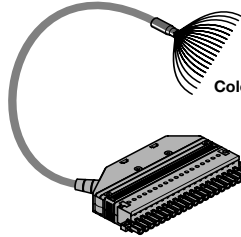
Type of connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

interfast 3

Multipurpose cables with HE 10/26 connector



OMNICONNECT 20 PTS



Color code

Connector	Color
OMN 20	
1	White-Blue
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Brown-Blue
11	White-Red
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Brown-Red

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL	2 3 6 7	16 relays / 16 opto			

- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	1SNA 038 036 R1000				
1,5 m	LAF150/UNI/OMN20/666	1SNA 038 037 R1100				
2 m	LAF200/UNI/OMN20/666	1SNA 038 038 R2200				
2,5 m						
3 m	LAF300/UNI/OMN20/666	1SNA 038 039 R2300				
4 m						
5 m	LAF500/UNI/OMN20/666	1SNA 038 040 R0000				

Characteristics

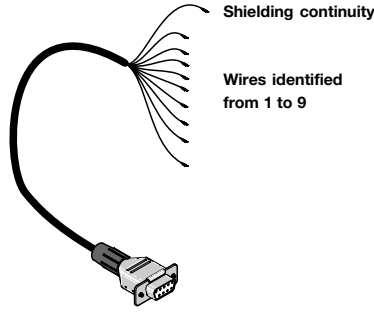
Type of connector	1 Omniconnect 20 points
Wire size	0,25mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

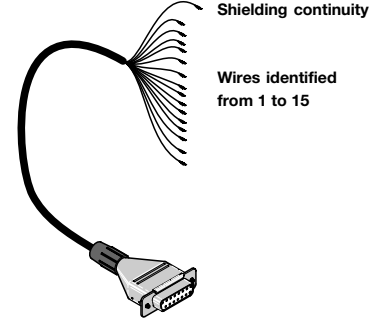
Multipurpose cables with Sub D connector



SUB D 9 PTS



SUB D 15 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 9	I/O ANA	Sub D 15

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD9/420	1SNA 026 186 F0000	1SNA 028 186 R1200	LAF150/UNI/SUBD15/421	1SNA 026 192 F0600	1SNA 028 192 R1000
2 m	LAF200/UNI/SUBD9/420	1SNA 026 187 F0100	1SNA 028 187 R1300	LAF200/UNI/SUBD15/421	1SNA 026 193 F0700	1SNA 028 193 R1100
2,5 m						
3 m	LAF300/UNI/SUBD9/420	1SNA 026 189 F1300	1SNA 028 189 R2500	LAF300/UNI/SUBD15/421	1SNA 026 195 F0100	1SNA 028 195 R1300
4 m						
5 m	LAF500/UNI/SUBD9/420	1SNA 026 191 F0500	1SNA 028 191 R1700	LAF500/UNI/SUBD15/421	1SNA 026 197 F0300	1SNA 028 197 R1500

Characteristics

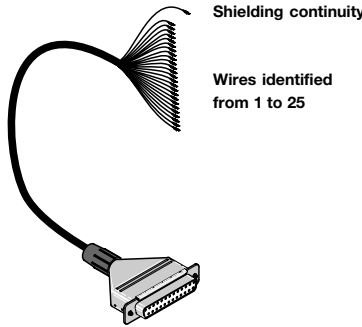
Type of connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

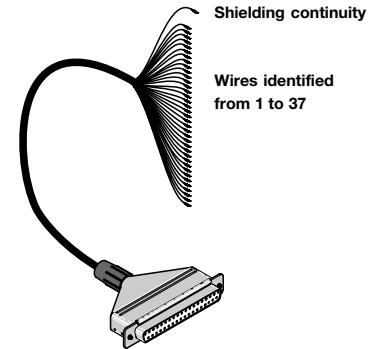
Multipurpose cables with Sub D connector



SUB D 25 PTS



SUB D 37 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 25	I/O ANA	Sub D 37

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD25/422	1SNA 026 198 F1400	1SNA 028 198 F2600	LAF150/UNI/SUBD37/423	1SNA 026 204 F2200	1SNA 028 204 F0400
2 m	LAF200/UNI/SUBD25/422	1SNA 026 199 F1500	1SNA 028 199 F2700	LAF200/UNI/SUBD37/423	1SNA 026 205 F2300	1SNA 028 205 F0500
2,5 m						
3 m	LAF300/UNI/SUBD25/422	1SNA 026 201 F2700	1SNA 028 201 F0100	LAF300/UNI/SUBD37/423	1SNA 026 207 F2500	1SNA 028 207 F0700
4 m						
5 m	LAF500/UNI/SUBD25/422	1SNA 026 203 F2100	1SNA 028 203 F0300	LAF500/UNI/SUBD37/423	1SNA 026 209 F0700	1SNA 028 209 F1100

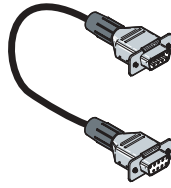
Characteristics

Type of connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

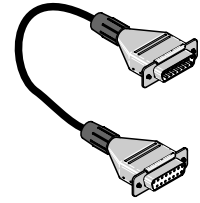
interfast 3
Shielded cables with
Sub D connector to
Sub D connector



**Sub D 9 PTS
Male / Female**



**Sub D 15 PTS
Male / Female**



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 9	E / S	Sub D 15

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD9M/SubD9F/287	1SNA 026 858 P2100	1SNA 028 858 P0300	LA150/SubD15M/SubD15F/288	1SNA 026 864 P1700	1SNA 028 864 P2100
2 m	LA200/SubD9M/SubD9F/287	1SNA 026 859 P2200	1SNA 028 859 P0400	LA200/SubD15M/SubD15F/288	1SNA 026 865 P1000	1SNA 028 865 P2200
2,5 m						
3 m	LA300/SubD9M/SubD9F/287	1SNA 026 861 P1400	1SNA 028 861 P2600	LA300/SubD15M/SubD15F/288	1SNA 026 867 P1200	1SNA 028 867 P2400
4 m						
5 m	LA500/SubD9M/SubD9F/287	1SNA 026 863 P1600	1SNA 028 863 P2000	LA500/SubD15M/SubD15F/288	1SNA 026 869 P2400	1SNA 028 869 P0600

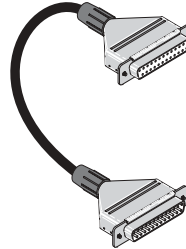
Characteristics

Type of connector	1 Sub D 9 points mâle + 1 Sub D 9 female points	1 Sub D 15 male points + 1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

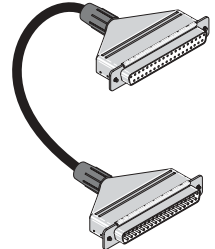
interfast 3
Shielded cables with
Sub D connector to
Sub D connector



**Sub D 25 PTS
Male / Female**



**Sub D 37 PTS
Male / Female**



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 25	E / S	Sub D 37

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD25F/289	1SNA 026 870 P2100	1SNA 028 870 P0300	LA150/SubD37M/SubD37F/290	1SNA 026 876 P1300	1SNA 028 876 P2500
2 m	LA200/SubD25M/SubD25F/289	1SNA 026 871 P1600	1SNA 028 871 P2000	LA200/SubD37M/SubD37F/290	1SNA 026 877 P1400	1SNA 028 877 P2600
2,5 m						
3 m	LA300/SubD25M/SubD25F/289	1SNA 026 873 P1000	1SNA 028 873 P2200	LA300/SubD37M/SubD37F/290	1SNA 026 879 P2600	1SNA 028 879 P0000
4 m						
5 m	LA500/SubD25M/SubD25F/289	1SNA 026 875 P1200	1SNA 028 875 P2400	LA500/SubD37M/SubD37F/290	1SNA 026 881 P0100	1SNA 028 881 P1300

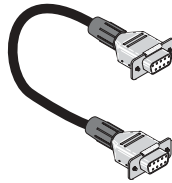
Characteristics

Type of connector	1 Sub D 25 male points + 1 Sub D 25 female points	1 Sub D 37 male points + 1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

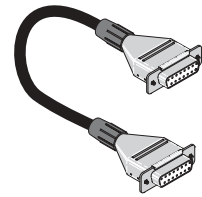
interfast 3
Shielded cables with
Sub D connector to
Sub D connector



**Sub D 9 PTS
Female / Female**



**Sub D 15 PTS
Female / Female**



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 9	E / S	Sub D 15

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD9F/SubD9F/402	1SNA 029 530 R2700	1SNA 034 530 R1400	LA150/SubD15F/SubD15F/403	1SNA 029 536 R1100	1SNA 034 536 R0600
2 m	LA200/SubD9F/SubD9F/402	1SNA 029 531 R1400	1SNA 034 531 R0100	LA200/SubD15F/SubD15F/403	1SNA 029 537 R1200	1SNA 034 537 R0700
2,5 m						
3 m	LA300/SubD9F/SubD9F/402	1SNA 029 533 R1600	1SNA 034 533 R0300	LA300/SubD15F/SubD15F/403	1SNA 029 539 R2400	1SNA 034 539 R1100
4 m						
5 m	LA500/SubD9F/SubD9F/402	1SNA 029 535 R1000	1SNA 034 535 R0500	LA500/SubD15F/SubD15F/403	1SNA 029 541 R2600	1SNA 034 541 R1300

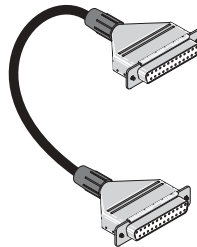
Characteristics

Type of connector	1 Sub D 9 points female + 1 Sub D 9 female points	1 Sub D 15 female points + 1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

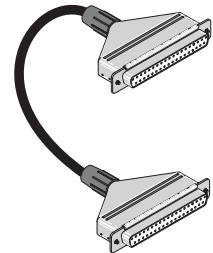
interfast 3
Shielded cables with
Sub D connector to
Sub D connector



**Sub D 25 PTS
Female / Female**



**Sub D 37 PTS
Female / Female**



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 25	E / S	Sub D 37

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
** Cables UL available only for USA, CANADA, MEXICO*

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25F/SubD25F/404	1SNA 029 542 R2700	1SNA 034 542 R1400	LA150/SubD37F/SubD37F/405	1SNA 029 548 R0500	1SNA 034 548 R2200
2 m	LA200/SubD25F/SubD25F/404	1SNA 029 543 R2000	1SNA 034 543 R1500	LA200/SubD37F/SubD37F/405	1SNA 029 549 R0600	1SNA 034 549 R2300
2,5 m						
3 m	LA300/SubD25F/SubD25F/404	1SNA 029 545 R2200	1SNA 034 545 R1700	LA300/SubD37F/SubD37F/405	1SNA 029 551 R2000	1SNA 034 551 R1500
4 m						
5 m	LA500/SubD25F/SubD25F/404	1SNA 029 547 R2400	1SNA 034 547 R1100	LA500/SubD37F/SubD37F/405	1SNA 029 553 R2200	1SNA 034 553 R1700

Characteristics

Type of connector	1 Sub D 25 female points + 1 Sub D 25 female points	1 Sub D 37 female points + 1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V



Terminal block assemblies : Interfast MS

Summary

B1 - Screw connection interfaces	126
B2 - Screw decoupling interfaces	140
B3 - Universal interfaces	147
B4 - Spring connection interfaces	149

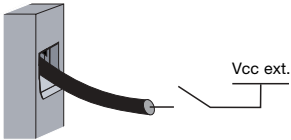
interfast MS

PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

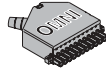
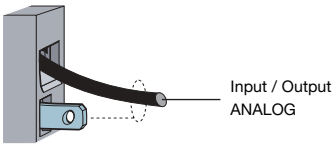
DIN 3

Applications

Single-wire interface

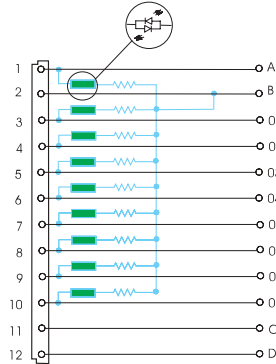
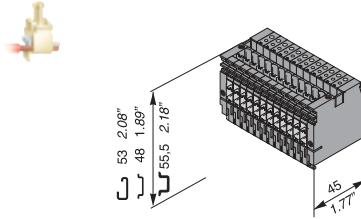


Single-wire Interface with shield connector



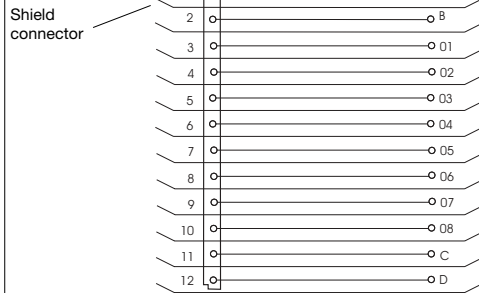
Single-wire interface with terminal blocks MA 2,5/5 - CPE

Spacing 71 mm 2.79"



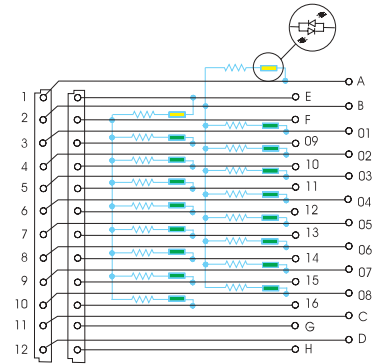
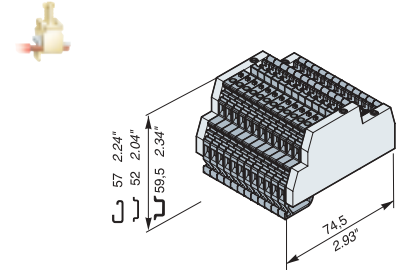
Blue schematic: products equipped with LED

Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).



Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

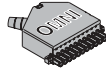
Spacing 71 mm 2.799"



Blue schematic: products equipped with LED

Part numbers	Type	Part number	Type	Part number
8 channels without LED	0	1SNA 621 016 R1100	B2OM-16	4 1SNA 631 000 R0000
8 channels with LEDs	1	1SNA 621 018 R2300	B2OM-16-L	5 1SNA 631 002 R2600
2x8 channels without compact LED	4			
2x8 channels with compact LEDs	5			
Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage	3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C à + 75°C	- 20°C à + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	
Accessories	Type	P/N	Type	P/N
1 Jumper bar	BJM5	See section on accessories	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
4 Connector plate	EL6	1SNA 173 627 R2100	EL6	1SNA 173 627 R2100
5 Fuse plug				
6 Test plug	FC2	Ø 2 mm 1SNA 007 865 R2600	FC2	Ø 2 mm 1SNA 007 865 R2600
7 Test device	DCB	blue 1SNA 105 028 R2100	DCB	blue 1SNA 105 028 R2100
8 Coding	COC1	1SNA 299 777 R1600	COC1	1SNA 299 777 R1600
9 Shield connector th. 0,5	CBM5	1SNA 178 745 R1400		
10 Shield connector th. 0,8	CBM8	1SNA 178 746 R1500		
11 Omniconnect plug	CPFT2 12 poles	See section on accessories	CPFT2 12 poles	See section on accessories
R See section on marking methods	RC510		RC510	

interfast MS

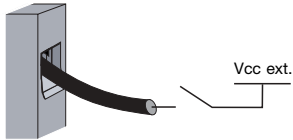


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

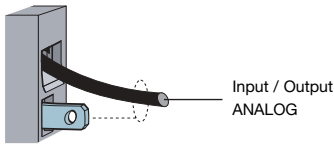
DIN 3

Applications

Single-wire interface

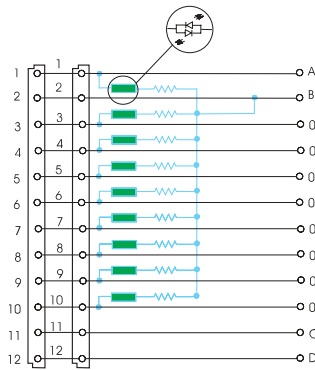
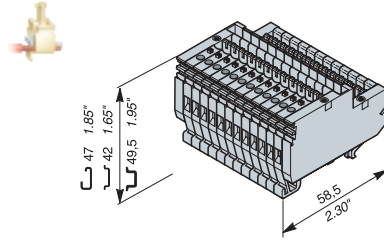


Single-wire Interface with shield connector



Single-wire interface with terminal blocks MA2,5/5-2CPE

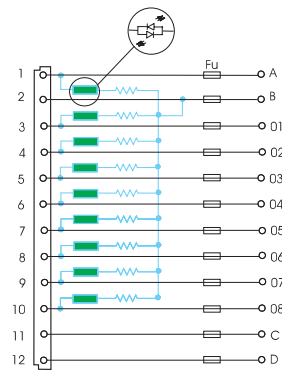
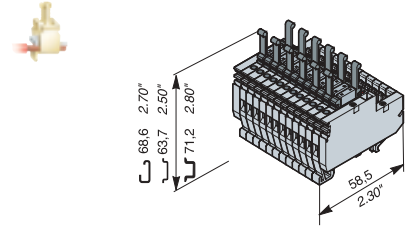
Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Single-wire interface with fuse on each I/O with terminal blocks MA2,5/5-SFA-CPE

Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

Part numbers	Type	Part number	Type	Part number
8 channels without LED		1SNA 631 004 R2000	BOM-8-F	
8 channels with LEDs		1SNA 631 006 R2200	BOM-8-LF	

Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		3 A
Current per LED		5 mA		5 mA
Fuse on the power supply				3 A
Fuse per point				2 A
Test voltage	3 kV	0,5 kV	0,5 kV	0,5 kV
Operating temperature	- 20°C à + 75°C	- 20°C à + 60°C		- 20°C to + 50°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	2 Omniconnect plugs 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories	Type	P/N	Type	P/N
1 Jumper bar	BJM5	See section on accessories	PC5	See section on accessories
2 Jumper bar	BJM15	See section on accessories	BF5 Auto	See section on accessories
3 Comb jumper	PC5	See section on accessories	FC2	Ø 2 mm 1SNA 007 865 R2600
4 Connector plate	EL6	1SNA 173 627 R2100	DCB	blue 1SNA 105 028 R2100
5 Fuse plug	FC2	Ø 2 mm 1SNA 007 865 R2600	COC1	1SNA 299 777 R1600
6 Test plug	DCB	blue 1SNA 105 028 R2100		
7 Test device	COC1	1SNA 299 777 R1600		
8 Coding				
9 Shield connector th. 0,5				
10 Shield connector th. 0,8				
11 Omniconnect plug	CPFT2 12 poles	See section on accessories	CPFT2 12 poles	See section on accessories
R See section on marking methods	RC510		RC510	

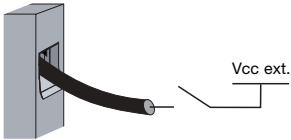
interfast MS

PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

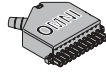
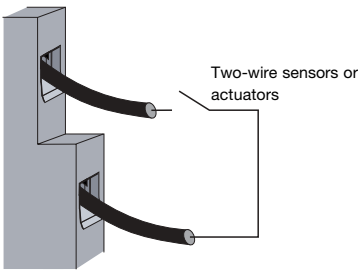
DIN 3

Applications

Single-wire Interface

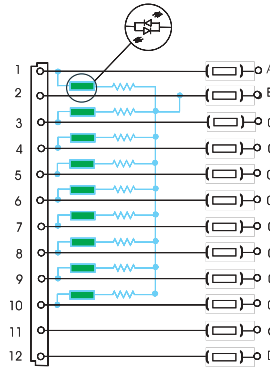
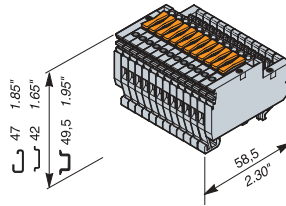


Two-wire Interface



Interruptible single-wire interface with terminal blocks MA2,5/5-SNB-CPE

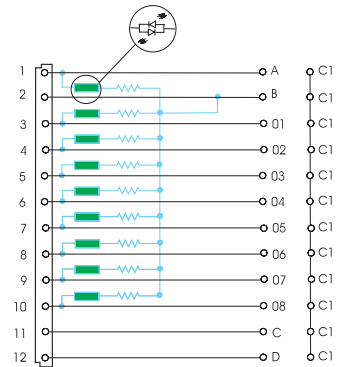
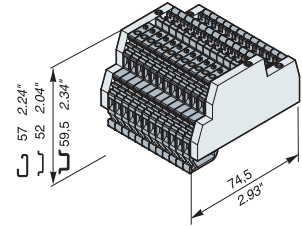
Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Part numbers

8 channels without LED	0
8 channels with LEDs	1

Type

BOM-8-S	0
BOM-8-SL	1

Part number

1SNA 631 016 R1300
1SNA 631 018 R2500

Type

BOM-8-B	1
BOM-8-BL	1

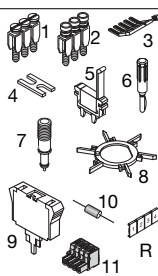
Part number

1SNA 631 024 R1300
1SNA 631 026 R1500

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Max. voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Max. current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage	3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C to + 70°C	- 20°C to + 55°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Plug with solder tags
- 10 Soldered fuses
- 11 Omniconnect plug
- R See section on marking methods

Type

PC5	See section on accessories
FC2	Ø 2 mm 1SNA 007 865 R2600
DCB	blue 1SNA 105 028 R2100
COC1	1SNA 299 777 R1600
CPFT2 12 poles	See section on accessories
RC510	

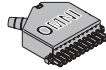
P/N

Type

BJM5	See section on accessories
BJMI5	See section on accessories
PC5	See section on accessories
EL6	1SNA 173 627 R2100
FC2	Ø 2 mm 1SNA 007 865 R2600
DCB	blue 1SNA 105 028 R2100
COC1	1SNA 299 777 R1600
CPFT2 12 poles	See section on accessories
RC510	

P/N

interfast MS

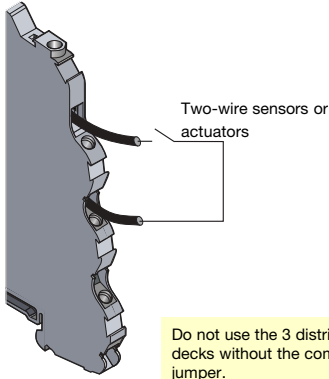


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

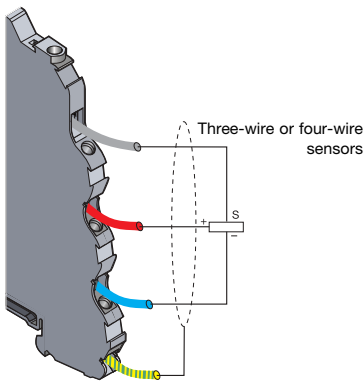
DIN 3

Applications

Two-wire Interface

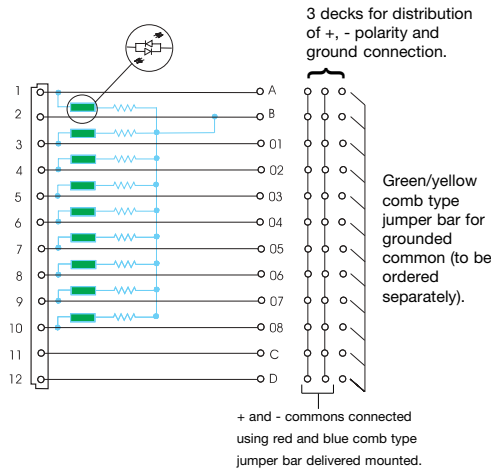
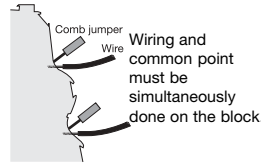
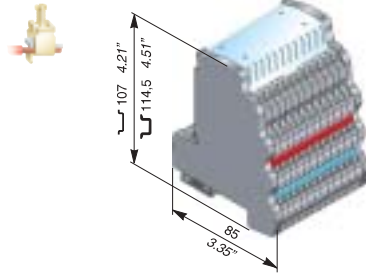


Three-wire / four-wire Interface



Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

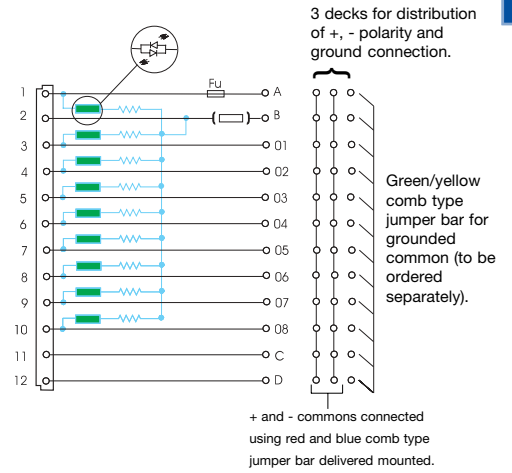
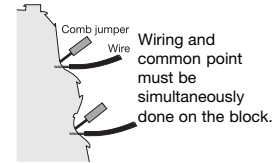
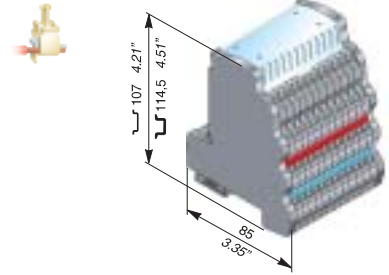
Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

Part numbers

8 channels without LED	
8 channels with LEDs	

Type	Part number
BOM 8/LL/T-PI	1SNA 631 054 R2100
BOM 8/LL/TL-PI	1SNA 631 052 R2700

Type	Part number
BOM 8/FS/T-PI	1SNA 631 062 R2100
BOM 8/FS/TL-PI	1SNA 631 060 R0300

Characteristics

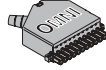
	Without LED	With LEDs	Without LED	With LEDs
Max. voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Max. current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				5 A
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 50°C	- 20°C to + 50°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	Other numbers of poles. Please see accessories chapter.	12 poles 1SNA 205 532 R2300
	2 Comb jumper Blue	PCMS		12 poles 1SNA 205 533 R2400
	3 Comb jumper Grey	PCMS		12 poles 1SNA 205 531 R2200
	4 Comb jumper Green/Yellow	PCMS		12 poles 1SNA 205 534 R2500
5	MS plug			
6	Test plug			
7	Fuse plug			
8	Omniconnect plug	CPFT2 12 poles	See section on accessories	
R	See section on marking methods	RC55		
			BFMS AUTO	See section on accessories
			CPFT2 12 poles	See section on accessories
			RC55	

interfast MS

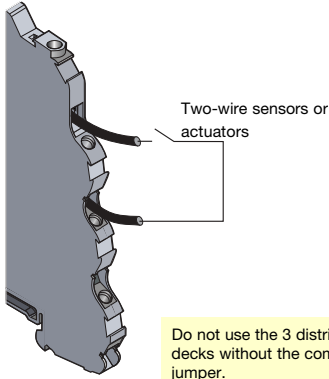
PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range



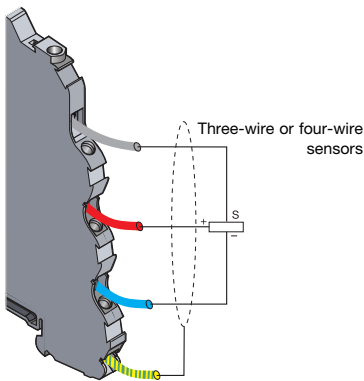
DIN 3

Applications

Two-wire Interface



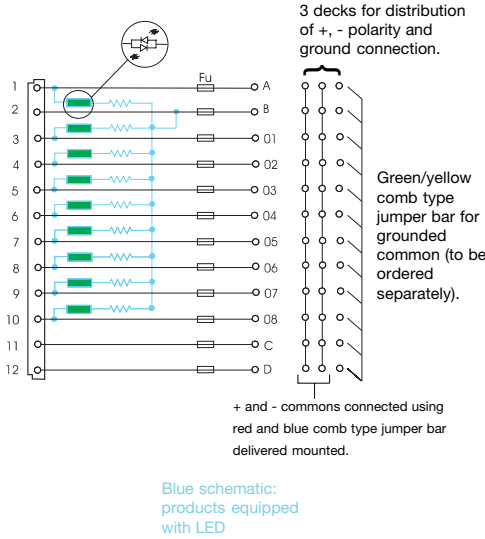
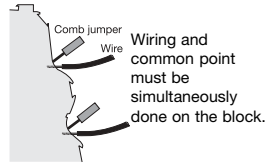
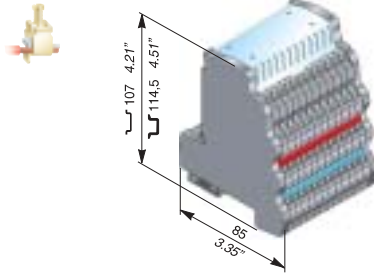
Three-wire / four-wire Interface



Three-wire or four-wire interface

with fuse on each I/O
 with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 71 mm 2.79"



Fuse type: 297 Series Littlefuse

Part numbers		Type	Part number	Type	Part number
8 channels without LED		BOM 8/FF/TF-PI	1SNA 631 098 R2300		
8 channels with LEDs		BOM 8/FF/TFL-PI	1SNA 631 096 R1400		

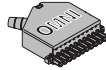
Characteristics	Without LED	With LEDs	Without LED	With LEDs
Max. voltage	32 V AC/DC	30 V DC		
Maximum current per point		2 A		
Max. current in common wires		5 A		
Current per LED		5 mA		
Fuse on the power supply		5 A		
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 50°C			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

Accessories	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	Other numbers of poles. Please see accessories chapter.	12 poles 1SNA 205 532 R2300
	2 Comb jumper Blue	PCMS		12 poles 1SNA 205 533 R2400
	3 Comb jumper Grey	PCMS		12 poles 1SNA 205 531 R2200
	4 Comb jumper Green/Yellow	PCMS		12 poles 1SNA 205 534 R2500
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug	BFMS AUTO	See section on accessories	
8	8 Omniconnect plug	CPFT2	12 poles See section on accessories	
R	R See section on marking methods	RC55		

interfast MS

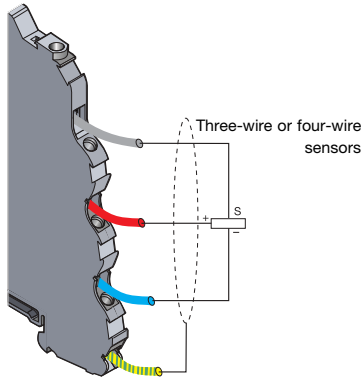
PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

DIN 3



Applications

Three-wire / four-wire Interface

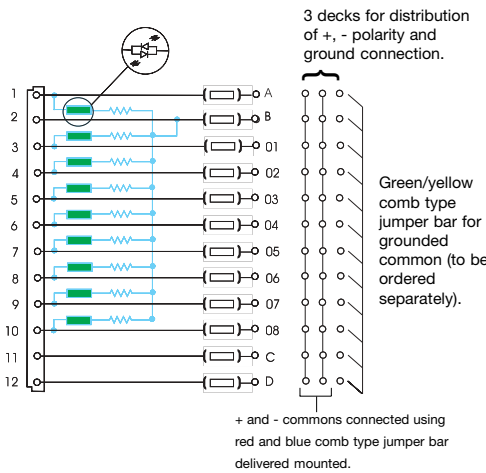
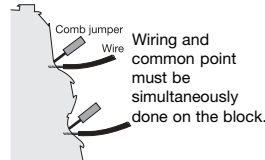
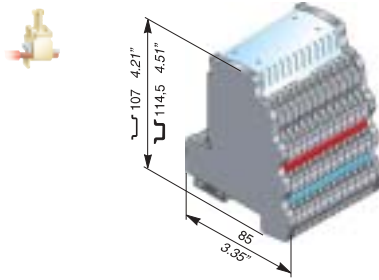


Do not use the 3 distribution decks without the comb jumper.

Interruptible three-wire or four-wire interface

with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 71 mm 2.79"



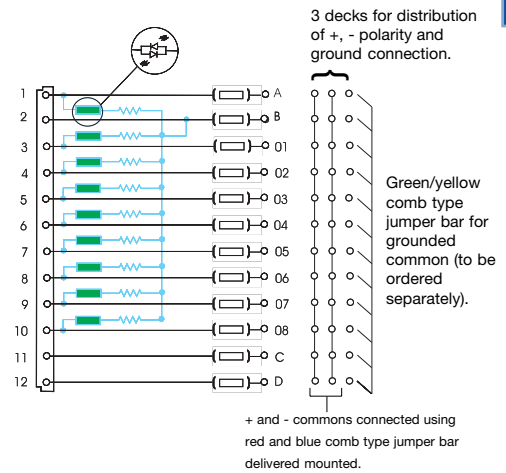
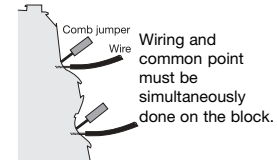
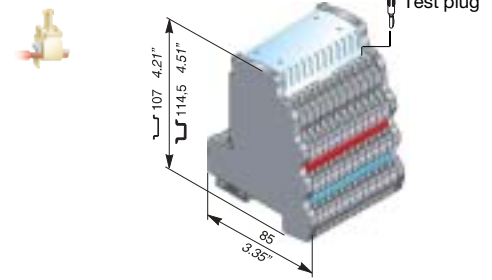
Blue schematic: products equipped with LED

Interruptible three-wire or four-wire interface

with test points

with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Part numbers

8 channels without LED	
8 channels with LEDs	

Type	Part number
BOM 8/SS/TS-PI	1SNA 631 082 R1600
BOM 8/SS/TSL-PI	1SNA 631 080 R2000

Type	Part number
BOM 8/SS/TS1-PI	1SNA 631 118 R2600
BOM 8/SS/TS1L-PI	1SNA 631 116 R1400

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers of poles. Please see accessories section. 12 poles 1SNA 205 532 R2300
	2 Comb jumper Blue	PCMS 12 poles 1SNA 205 533 R2400
	3 Comb jumper Grey	PCMS 12 poles 1SNA 205 531 R2200
	4 Comb jumper Green/Yellow	PCMS 12 poles 1SNA 205 534 R2500
5	5 MS plug	
6	6 Test plug	
7	7 Fuse plug	
8	8 Omniconnect plug	CPFT2 12 poles See section on accessories
R	R See section on marking methods	RC55

	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers of poles. Please see accessories section. 12 poles 1SNA 205 532 R2300
	2 Comb jumper Blue	PCMS 12 poles 1SNA 205 533 R2400
	3 Comb jumper Grey	PCMS 12 poles 1SNA 205 531 R2200
	4 Comb jumper Green/Yellow	PCMS 12 poles 1SNA 205 534 R2500
5	5 MS plug	
6	6 Test plug	FC2 Ø 2 mm 1SNA 007 865 R2600
7	7 Fuse plug	
8	8 Omniconnect plug	CPFT2 12 poles See section on accessories
R	R See section on marking methods	RC55

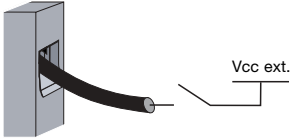
interfast MS

PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

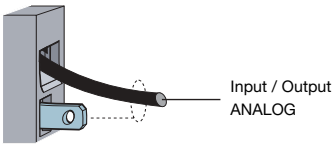
DIN 3

Applications

Single-wire
Interface

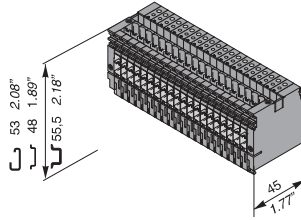


Single-wire
Interface
with shield connector

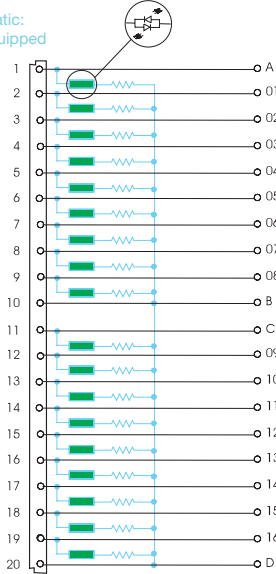


Single-wire interface with terminal blocks MA2,5/5-CPE

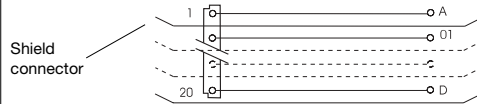
Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED

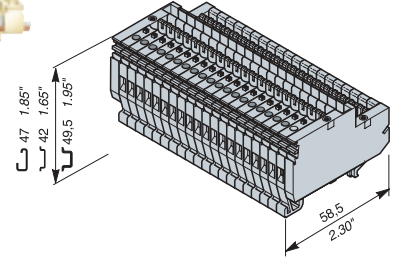


Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).

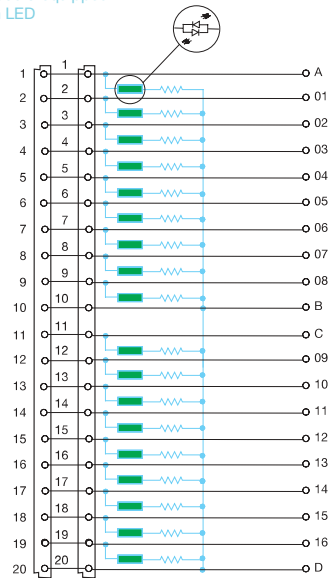


Single-wire interface with terminal blocks MA2,5/5-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type

BOM-16	2	1SNA 621 017 R1200
BOM-16-L	3	1SNA 621 019 R2400

Part number

Type

BOM-16	2	1SNA 631 005 R2100
BOM-16-L	3	1SNA 631 007 R2300

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage	3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	1	Jumper bar	
	2	Jumper bar	
	3	Comb jumper	
	4	Connector plate	
	5	Fuse plug	
	6	Test plug	
	7	Test device	
	8	Coding	
	9	Shield connector	th. 0,5
	10	Shield connector	th. 0,8
	11	Omniconnect plug	
	R	See section on marking methods	

Type

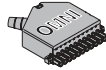
BJM5	See section on accessories
BJM15	See section on accessories
PC5	See section on accessories
EL6	1SNA 173 627 R2100
FC2	Ø 2 mm 1SNA 007 865 R2600
DCB	blue 1SNA 105 028 R2100
COC1	1SNA 299 777 R1600
CBM5	1SNA 178 745 R1400
CBM8	1SNA 178 746 R1500
CPFT2 20 poles	See section on accessories
RC510	

P/N

Type

BJM5	See section on accessories
BJM15	See section on accessories
PC5	See section on accessories
EL6	1SNA 173 627 R2100
FC2	Ø 2 mm 1SNA 007 865 R2600
DCB	blue 1SNA 105 028 R2100
COC1	1SNA 299 777 R1600
CPFT2 20 poles	See section on accessories
RC510	

interfast MS

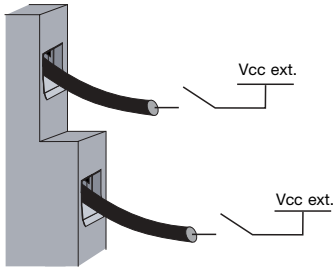


PLC connection interface
2x16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

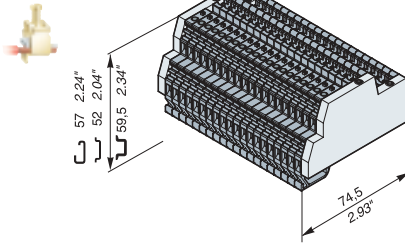
Applications

Single-wire
Interface

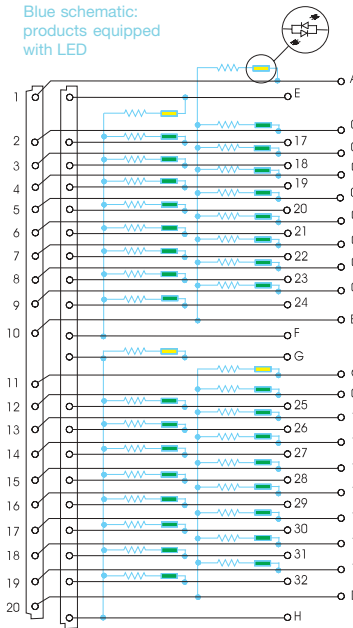


Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

2x16 channels without compact LED 6

2x16 channels with compact LEDs 7

Type

B2OM-32 6

B2OM-32-L 7

Part number

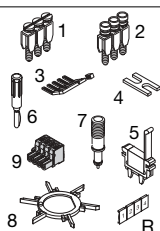
1SNA **631 001** R2500

1SNA **631 003** R2700

Characteristics

	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC
Maximum current per point		2 A
Maximum current in common wires		5 A
Current per LED		5 mA
Fuse on the power supply		
Fuse per point		
Test voltage	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C
Type of connector	2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²	

Accessories



- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Omniconnect plug
- R See section on marking methods

Type

- BJM5** See section on accessories
- BJMI5** See section on accessories
- PC5** See section on accessories
- EL6** 1SNA **173 627** R2100
- FC2** Ø 2 mm 1SNA **007 865** R2600
- DCB** blue 1SNA **105 028** R2100
- COC1** 1SNA **299 777** R1600
- CPFT2** 20 poles See section on accessories
- RC510**

P/N

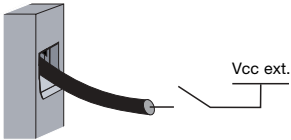
interfast MS

PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

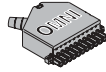
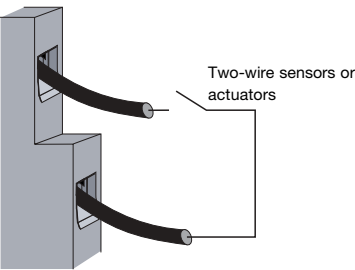
DIN 3

Applications

Single-wire Interface

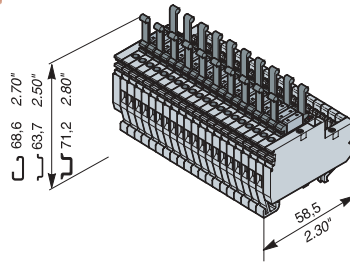


Two-wire Interface

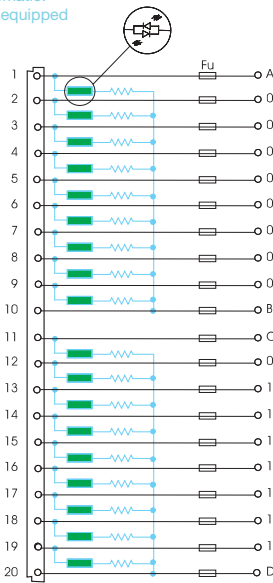


Single-wire interface with fuse on each I/O with terminal blocks MA2,5/5-SFA-CPE

Spacing 112 mm 4.41"



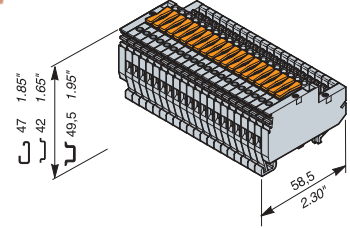
Blue schematic: products equipped with LED



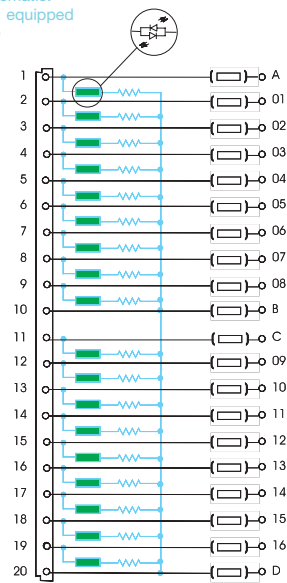
Fuse type: 297 Series Littlefuse

Interruptible single-wire interface with terminal blocks MA2,5/5-SNB-CPE

Spacing 112 mm 4.41"



Blue schematic: products equipped with LED

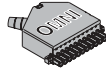


Page numbers	Type	Page number	Type	Page number
16 channels without LED	2	1SNA 631 013 R1000	BOM-16-S	2
16 channels with LEDs	3	1SNA 631 015 R1200	BOM-16-SL	3

Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	32 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		3 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply		3 A		
Fuse per point		2 A		
Test voltage	0,5 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C to + 50°C		- 20°C to + 70°C - 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories	Type	P/N	Type	P/N
1 Jumper bar	PC5	See section on accessories	PC5	See section on accessories
2 Jumper bar	BF5 AUTO	See section on accessories	FC2	Ø 2 mm 1SNA 007 865 R2600
3 Comb jumper	FC2	Ø 2 mm 1SNA 007 865 R2600	DCB	blue 1SNA 105 028 R2100
4 Connector plate	DCB	blue 1SNA 105 028 R2100	COC1	1SNA 299 777 R1600
5 Fuse plug	COC1	1SNA 299 777 R1600		
6 Test plug				
7 Test device				
8 Coding				
9 Plug with solder tags				
10 Soldered fuses				
11 Omniconnect plug	CPFT2 20 poles	See section on accessories	CPFT2 20 poles	See section on accessories
R See section on marking methods	RC510		RC510	

interfast MS

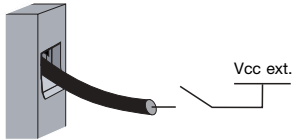


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

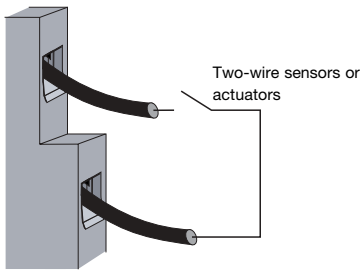
DIN 3

Applications

Single-wire Interface

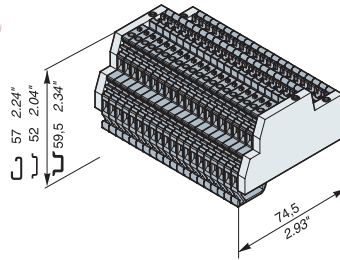


Two-wire Interface

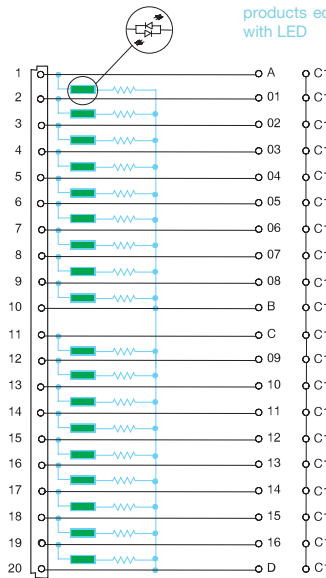


Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic: products equipped with LED



Page numbers

16 channels without LED	2
16 channels with LEDs	3

Type

BOM-16-B	2
BOM-16-BL	3

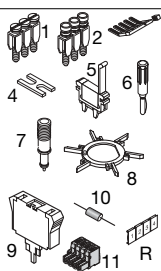
Page number

1SNA 631 025 R1400
1SNA 631 027 R1600

Characteristics

	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC
Maximum current per point		2 A
Maximum current in common wires		5 A
Current per LED		5 mA
Fuse on the power supply		
Fuse per point		
Test voltage	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²	

Accessories



- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Plug with solder tags
- 10 Soldered fuses
- 11 Omniconnect plug
- R See section on marking methods

Type

Type	P/N
BJM5	See section on accessories
BJM15	See section on accessories
PC5	See section on accessories
EL6	1SNA 173 627 R2100
FC2	Ø 2 mm 1SNA 007 865 R2600
DCB	blue 1SNA 105 028 R2100
COC1	1SNA 299 777 R1600
CPFT2 20 poles	See section on accessories
RC510	

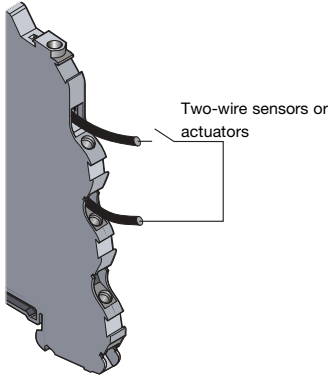
interfast MS

PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

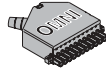
DIN 3

Applications

Two-wire Interface

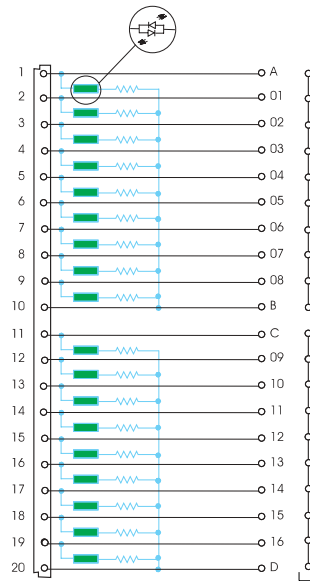
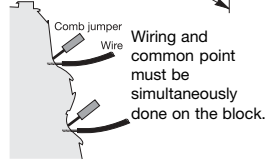
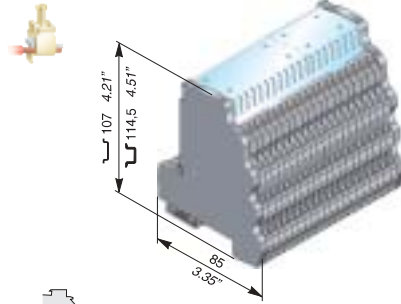


Do not use the 3 distribution decks without the comb jumper.



Two-wire interface with terminal blocks D2,5/5-D2-CPE

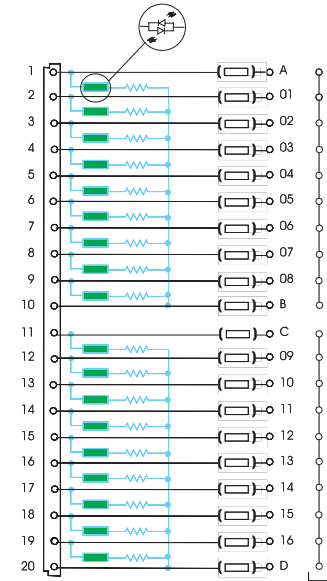
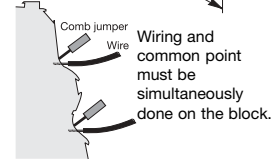
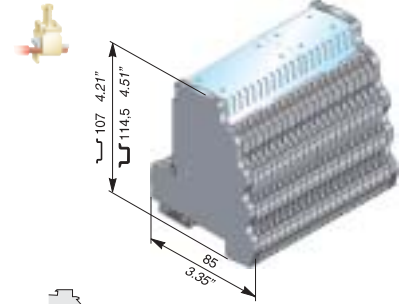
Spacing 112 mm 4.41"



Commons connected using grey comb type jumper bar delivered mounted.

Interruptible two-wire interface with terminal blocks D2,5/5-SNB-D2-CPE

Spacing 112 mm 4.41"



Commons connected using grey comb type jumper bar delivered mounted.

Part numbers

16 channels without LED	
16 channels with LEDs	

Type

BOM 16/LL/B		1SNA 631 031 R1200
BOM 16/LL/BL		1SNA 631 029 R2000

Part number

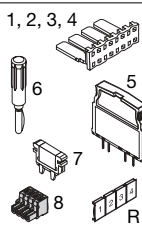
Type

BOM 16/SS/BS		1SNA 631 067 R2600
BOM 16/SS/BSL		1SNA 631 065 R2400

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 70°C	- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



1	Comb jumper	Red	PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
2	Comb jumper	Blue	PCMS		10 poles	1SNA 205 525 R2400
3	Comb jumper	Grey	PCMS		10 poles	1SNA 205 523 R2200
4	Comb jumper	Green/Yellow	PCMS		10 poles	1SNA 205 526 R2500
5	MS plug					
6	Test plug					
7	Fuse plug					
8	Omniconnect plug		CPFT2	20 poles	See section on accessories	
R	See section on marking methods		RC55			

Type

P/N

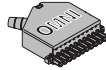
Type

P/N

PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
PCMS		10 poles	1SNA 205 525 R2400
PCMS		10 poles	1SNA 205 523 R2200
PCMS		10 poles	1SNA 205 526 R2500
CPFT2	20 poles	See section on accessories	
RC55			

interfast MS

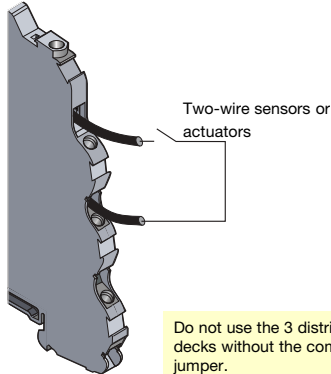
PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range



DIN 3

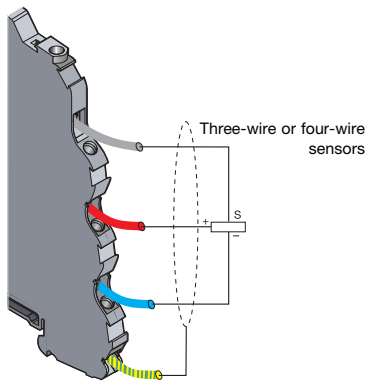
Applications

Two-wire Interface



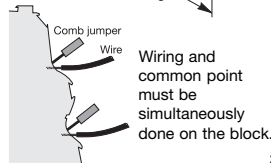
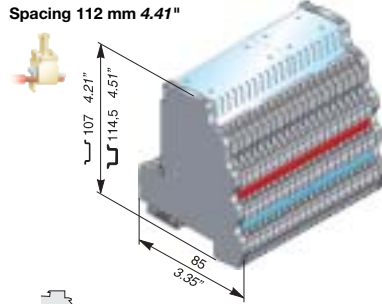
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface

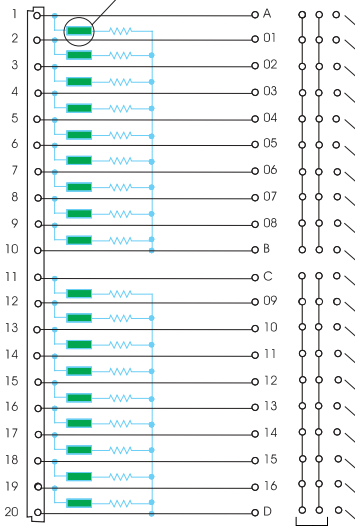


Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.

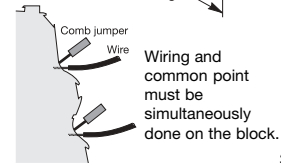
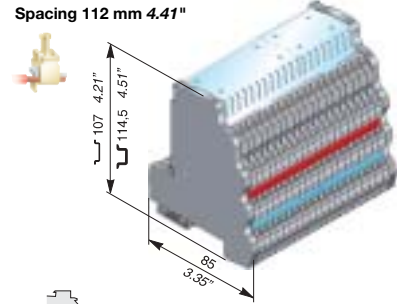


Blue schematic: products equipped with LED

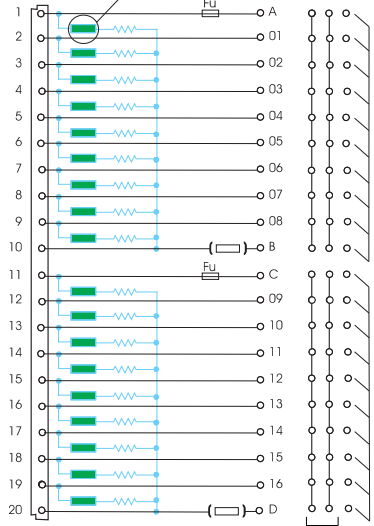
+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.



Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Fuse type: 297 Series Littelfuse

Part numbers

16 channels without LED	
16 channels with LEDs	

Type

BOM 16/LL/T-PI		1SNA 631 055 R2200
BOM 16/LL/TL-PI		1SNA 631 053 R2000

Part number

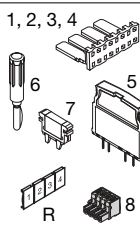
Type

BOM 16/FS/T-PI		1SNA 631 063 R2200
BOM 16/FS/TL-PI		1SNA 631 061 R2000

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				5 A
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 50°C	- 20°C to + 50°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



1	Comb jumper	Red	PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
2	Comb jumper	Blue	PCMS		10 poles	1SNA 205 525 R2400
3	Comb jumper	Grey	PCMS		10 poles	1SNA 205 523 R2200
4	Comb jumper	Green/Yellow	PCMS		10 poles	1SNA 205 526 R2500
5	MS plug					
6	Test plug					
7	Fuse plug					
8	Omniconnect plug		CPFT2	20 poles	See section on accessories	
R	See section on marking methods		RC55			

Type

P/N

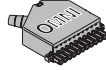
Type

P/N

PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
PCMS		10 poles	1SNA 205 525 R2400
PCMS		10 poles	1SNA 205 523 R2200
PCMS		10 poles	1SNA 205 526 R2500
BFMS AUTO	See section on accessories		
CPFT2	20 poles	See section on accessories	
RC55			

interfast MS

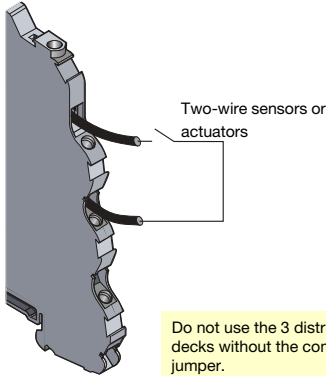
PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range



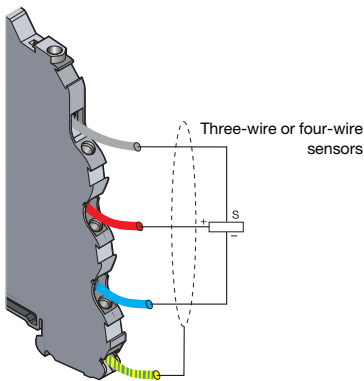
DIN 3

Applications

Two-wire Interface

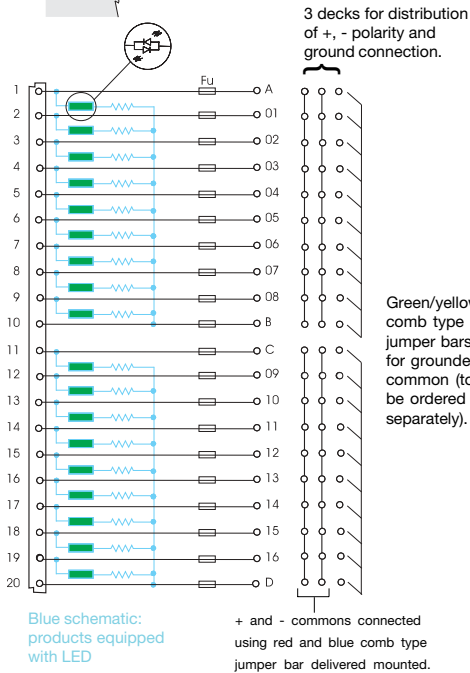
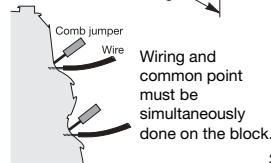
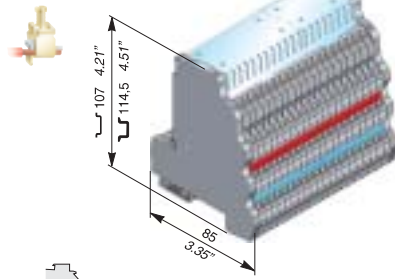


Three-wire / four-wire Interface



Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 112 mm 4.41"



Fuse type: 297 Series Littlefuse

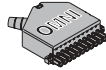
Part numbers		Type	Part number	Type	Part number
16 channels without LED		BOM 16/FF/TF-PI	1SNA 631 099 R2700		
16 channels with LEDs		BOM 16/FF/TFL-PI	1SNA 631 097 R1500		

Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	32 V AC/DC	30 V DC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuse on the power supply		5 A		
Fuse per point		2 A		
Test voltage				
Operating temperature	- 20°C to + 50°C			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm ²			

Accessories	Type	P/N	Type	P/N
1 Comb jumper Red	PCMS	10 poles 1SNA205524R2300		
2 Comb jumper Blue	PCMS	10 poles 1SNA205525R2400		
3 Comb jumper Grey	PCMS	10 poles 1SNA205523R2200		
4 Comb jumper Green/Yellow	PCMS	10 poles 1SNA205526R2500		
5 MS plug				
6 Test plug				
7 Fuse plug	BFMS AUTO	See section on accessories		
8 Omniconnect plug	CPFT2 20 poles	See section on accessories		
R See section on marking methods	RC55			

interfast MS

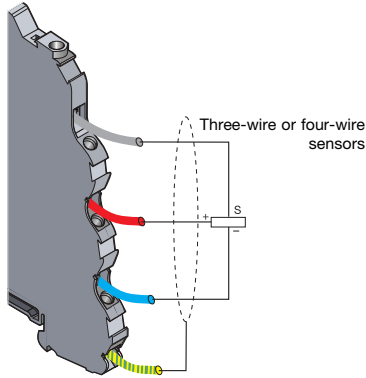
PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range



DIN 3

Applications

Three-wire / four-wire Interface

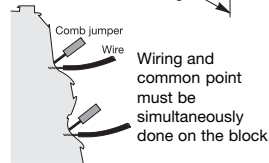
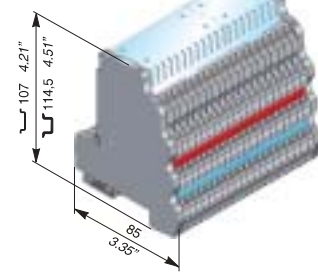


Do not use the 3 distribution decks without the comb jumper.

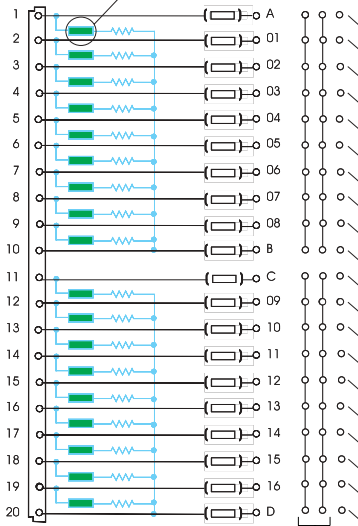
Interruptible three-wire or four-wire interface

with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.



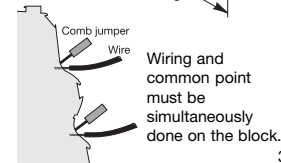
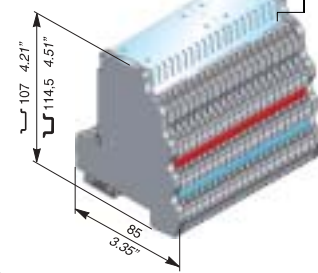
Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

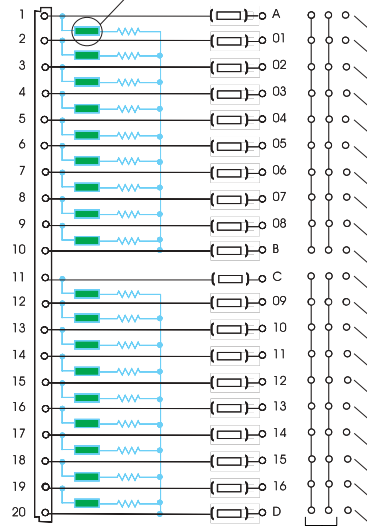
Interruptible three-wire or four-wire interface

with test points with terminal blocks D2,5/5-SNBT-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.



Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Part numbers

16 channels without LED	
16 channels with LEDs	

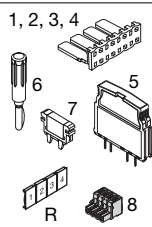
Type	Part number
BOM 16/SS/TS-PI	1SNA 631 083 R1700
BOM 16/SS/TSL-PI	1SNA 631 081 R1500

Type	Part number
BOM 16/SS/TS1-PI	1SNA 631 119 R2700
BOM 16/SS/TS1L-PI	1SNA 631 117 R1500

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 70°C	- 20°C to + 55°C	- 20°C to + 70°C	- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



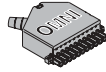
1, 2, 3, 4	Type	P/N
1 Comb jumper	Red	PCMS
2 Comb jumper	Blue	PCMS
3 Comb jumper	Grey	PCMS
4 Comb jumper	Green/Yellow	PCMS
5 MS plug		
6 Test plug		
7 Fuse plug		
8 Omniconnect plug		
R See section on marking methods		

Type	P/N
Other numbers of poles. Please see accessories section.	
10 poles	1SNA 205 524 R2300
10 poles	1SNA 205 525 R2400
10 poles	1SNA 205 523 R2200
10 poles	1SNA 205 526 R2500
CPFT2 20 poles	See section on accessories
RC55	

Type	P/N
Other numbers of poles. Please see accessories section.	
10 poles	1SNA 205 524 R2300
10 poles	1SNA 205 525 R2400
10 poles	1SNA 205 523 R2200
10 poles	1SNA 205 526 R2500
FC2	Ø 2 mm
CPFT2 20 poles	See section on accessories
RC55	

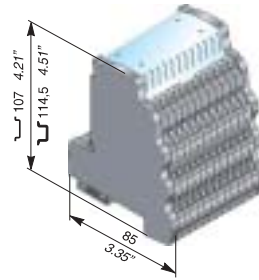
interfast MS
PLC decoupling interface
8 relay outputs
Omniconnect product range

DIN 3



8 N relays
1RT output terminal

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately (see ordering part numbers, right column).

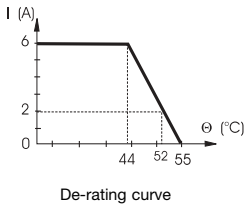
Type	P/N	plug only
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BRI 821 N 24 V DC 1SNA 631 143 R2700

Spare relay plugs:
Type **P/N**
R24V-1 6 A/250 V (Ivory) 1SNA 031 820 R1400

Output optos with 24 VDC input voltage can be mixed and matched.

See end of accessories section for characteristics.



Type	Current	Color	P/N
BNMS P24V-3	100 mA/48 V	(Red)	1SNA 031 810 R1200
BNMS P24V-1	2 A/24 V	(Red)	1SNA 031 815 R0300
BNMS P24V-2	1 A/48 V	(Red)	1SNA 031 819 R1700
BNMS N24V-3	100 mA/48 V	(Red)	1SNA 031 807 R1400
BNMS N24V-1	2 A/24 V	(Red)	1SNA 031 813 R0100
BNMS N24V-2	1 A/48 V	(Red)	1SNA 031 817 R0500

See end of accessories section for characteristics.

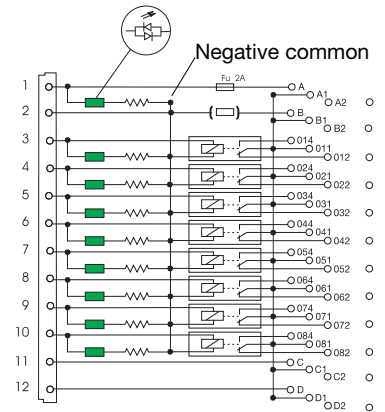
Approval CE

Characteristics

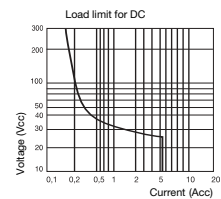
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10 ⁵ in AC15
Number of operations	off load	10 x 10 ⁶
Operating speed	C/O	6 ms / 8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²

Wiring diagram

Terminal with negative common connection.



Terminal compatible with automate output cards with positive common connection.



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Accessories

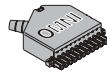
	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

Fuse type: 297 Series Littlefuse

interfast MS

PLC decoupling interface
8 relay outputs
Omniconnect product range

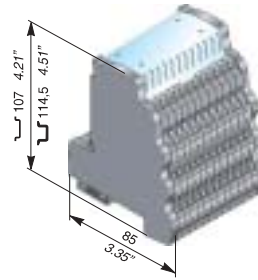
DIN 3



Spacing 71 mm 2.79"



8 N/P relays 1RT relay output terminal

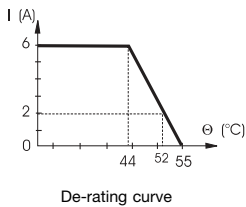


Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately (see ordering part numbers, right column).



Type	P/N	plug only
------	-----	-----------

BRI 821 N/P	24 V DC	1SNA 631 182 R1700	Spare relay plugs: Type R24V-1 6 A/250 V (Ivory) P/N 1SNA 031 820 R1400
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Output optos with 24 VDC input voltage can be mixed and matched.

See end of accessories section for characteristics.

Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	1SNA 031 810 R1200
BNMS P24V-1	2 A/24 V (Red)	1SNA 031 815 R0300
BNMS P24V-2	1 A/48 V (Red)	1SNA 031 819 R1700
BNMS N24V-3	100 mA/48 V (Red)	1SNA 031 807 R1400
BNMS N24V-1	2 A/24 V (Red)	1SNA 031 813 R0100
BNMS N24V-2	1 A/48 V (Red)	1SNA 031 817 R0500

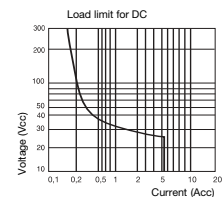
See end of accessories section for characteristics.

Approval



Characteristics

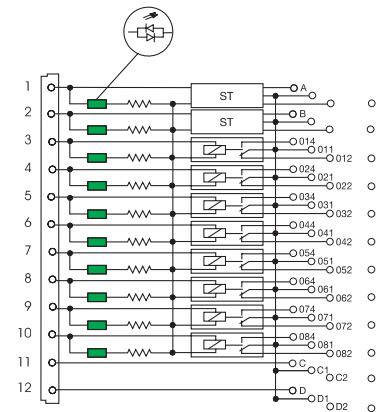
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10 ⁵ in AC15
Number of operations	off load	10 x 10 ⁶
Operating speed	C/O	6 ms / 8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Wiring diagram

Terminal negative or positive common connection.

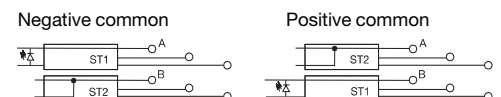


Delivered mounted with negative common.

Terminal compatible with automate output cards with positive or negative common connection.

Fuse and strap plugs allowing either a common - or a common +.

DELIVERED WITH NEGATIVE COMMON



Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

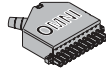
interfast MS

PLC decoupling interface

16 relay outputs

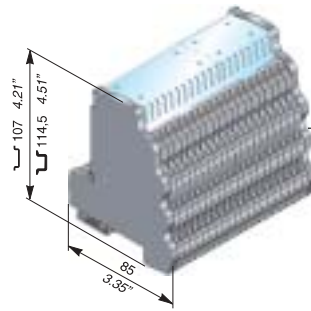
Omniconnect product range

DIN 3



16 N relays 1RT relay output terminal

Spacing 112 mm 4.41"

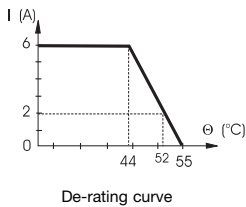


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).



Type	P/N	plug only
------	-----	-----------

BRI 1621 N 24 V DC 1SNA 631 125 R1500

Spare relay plugs:
Type **R24V-1** 6 A/250 V (Ivory) P/N 1SNA 031 820 R1400
See end of accessories section for characteristics.

Output optos with 24 VDC input voltage can be mixed and matched.

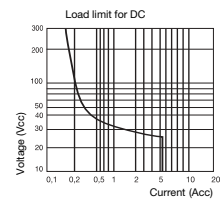
Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	1SNA 031 810 R1200
BNMS P24V-1	2 A/24 V (Red)	1SNA 031 815 R0300
BNMS P24V-2	1 A/48 V (Red)	1SNA 031 819 R1700
BNMS N24V-3	100 mA/48 V (Red)	1SNA 031 807 R1400
BNMS N24V-1	2 A/24 V (Red)	1SNA 031 813 R0100
BNMS N24V-2	1 A/48 V (Red)	1SNA 031 817 R0500

See end of accessories section for characteristics.

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Characteristics

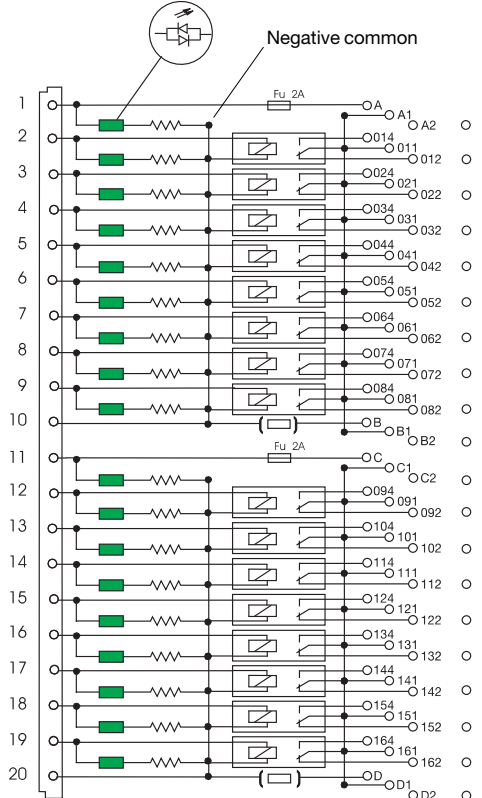
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10 ⁵ in AC15
Number of operations	off load	10 x 10 ⁶
Operating speed	C	6 ms
	O	8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Wiring diagram

Terminal with negative common connection.



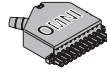
Fuse type: 297 Series Littlefuse.
Terminal compatible with automate output cards with positive common connection.

Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS
PLC decoupling interface
16 relay outputs
Omniconnect product range

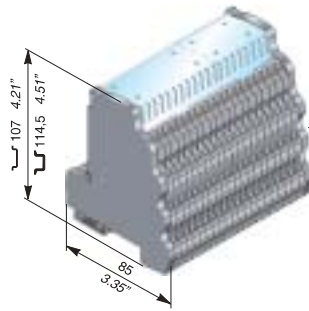
DIN 3



Spacing 112 mm 4.41"



16 N/P relays
1RT relay output terminal



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant outputs possible.

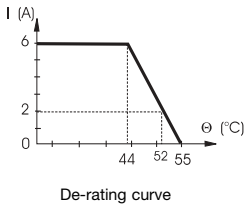
Pluggable relay.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately (see ordering part numbers, right column).

Type	P/N	plug only
BRI 1621 N/P 24 V DC	1SNA 631 181 R1600	Spare relay plugs: Type R24V-1 6 A/250 V (Ivory) P/N 1SNA 031 820 R1400

See end of accessories section for characteristics.



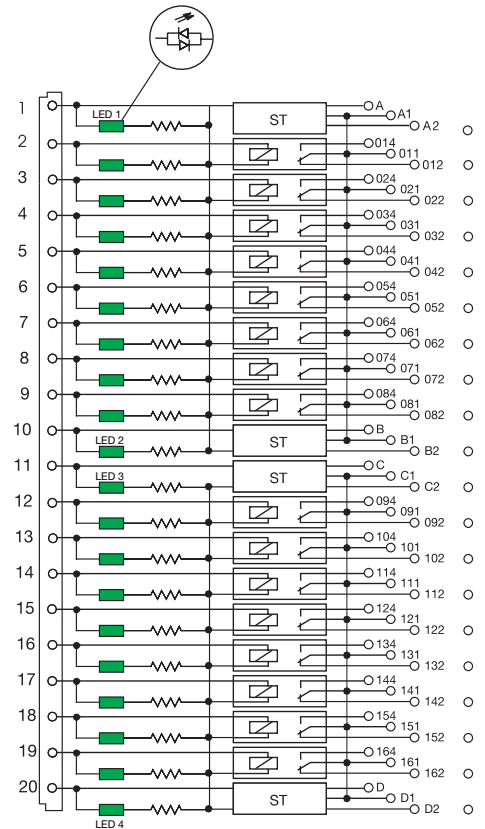
Output optos with 24 VDC input voltage can be mixed and matched.

Type	P/N
BNMS P24V-3 100 mA/48 V (Red)	1SNA 031 810 R1200
BNMS P24V-1 2 A/24 V (Red)	1SNA 031 815 R0300
BNMS P24V-2 1 A/48 V (Red)	1SNA 031 819 R1700
BNMS N24V-3 100 mA/48 V (Red)	1SNA 031 807 R1400
BNMS N24V-1 2 A/24 V (Red)	1SNA 031 813 R0100
BNMS N24V-2 1 A/48 V (Red)	1SNA 031 817 R0500

See end of accessories section for characteristics.

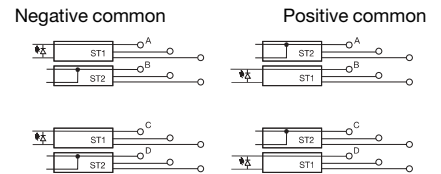
Wiring diagram

Terminal with negative or positive common connection.



Terminal compatible with automate output cards with positive or negative common connection. Delivered mounted with negative common.

Fuse and strap plugs allowing either a common - or a common +.



LED 1 and 3 switched on

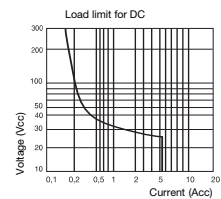
LED 2 and 4 switched on

Approval



Characteristics

COIL		24 V DC
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		1 RT
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10 ⁵ in AC15
Number of operations	off load	10 x 10 ⁶
Operating speed	C	6 ms
	O	8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

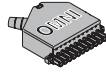
Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

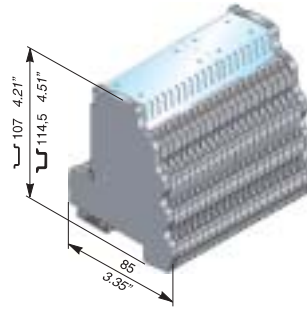
PLC decoupling interface
16 relay outputs
Omniconnect product range

DIN 3



16 N relays 1 RT relay without LED output terminal

Spacing 112 mm 4.41"

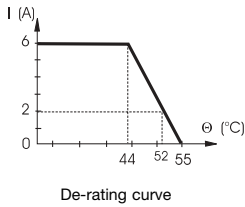


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately (see ordering part numbers, right column).



Type	P/N	plug only
------	-----	-----------

BRI 1621 N-ECO	24 V DC	1SNA 631 124 R1400	Spare relay plugs:
			Type
			R24V-1
			6 A/250 V (Ivory)
			P/N
			1SNA 031 820 R1400

Output optos with 24 VDC input voltage can be mixed and matched.

Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	1SNA 031 810 R1200
BNMS P24V-1	2 A/24 V (Red)	1SNA 031 815 R0300
BNMS P24V-2	1 A/48 V (Red)	1SNA 031 819 R1700
BNMS N24V-3	100 mA/48 V (Red)	1SNA 031 807 R1400
BNMS N24V-1	2 A/24 V (Red)	1SNA 031 813 R0100
BNMS N24V-2	1 A/48 V (Red)	1SNA 031 817 R0500

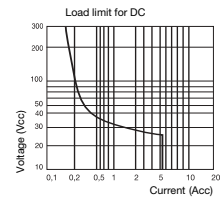
See end of accessories section for characteristics.

See end of accessories section for characteristics.

Approval	CE
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Characteristics

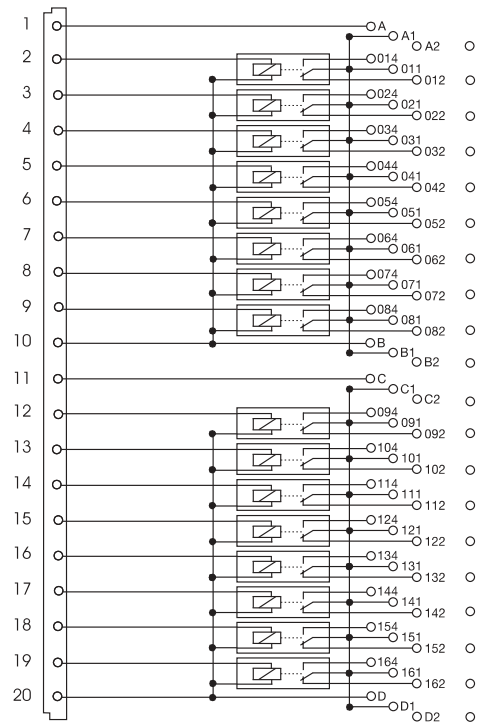
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10 ⁵ in AC15
Number of operations	off load	10 x 10 ⁶
Operating speed	C	6 ms
	O	8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Wiring diagram

Terminal with negative common connection.



Terminal compatible with automate output cards with positive common connection.

Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

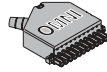
interfast MS

PLC decoupling interface

16 optocoupler inputs

Omniconnect product range

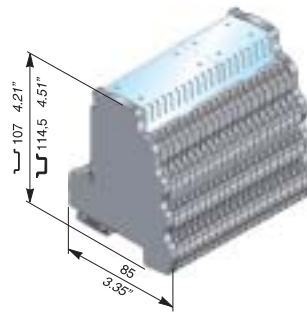
DIN 3



Spacing 112 mm



16 N/P optocouplers optocouplers input terminal



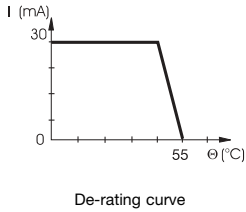
Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant inputs possible.

Pluggable optocoupler.
Permits electrical isolation between an AC or DC input and a 24 V DC output.
Inputs are mutually isolated for multi-source application input voltage.

Part numbers

Material in order to perform an optocoupler input terminal.

	Nb	Type	P/N
Terminal:	1	BUNI 20-L	1SNA 631 179 R0300
Strap plug:	2	BNMS ST1	1SNA 031 829 R1100
	2	BNMS ST2	1SNA 031 830 R1600
Optocouplers plugs: 16			
5 V DC		BNMS T5V-1	1SNA 031 831 R0300
24 V DC		BNMS T24V-1	1SNA 031 800 R2100
48 V DC		BNMS T48V-1	1SNA 031 801 R1600
125 V DC		BNMS T125V-1	1SNA 031 845 R1100
24 V AC		BNMS T24V-1	1SNA 031 802 R1700
48 V AC		BNMS T48V-1	1SNA 031 803 R1000
115 V AC		BNMS T115V-1	1SNA 031 804 R1100
230 V AC		BNMS T230V-1	1SNA 031 805 R1200



Approval



Characteristics

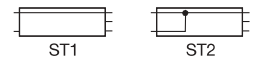
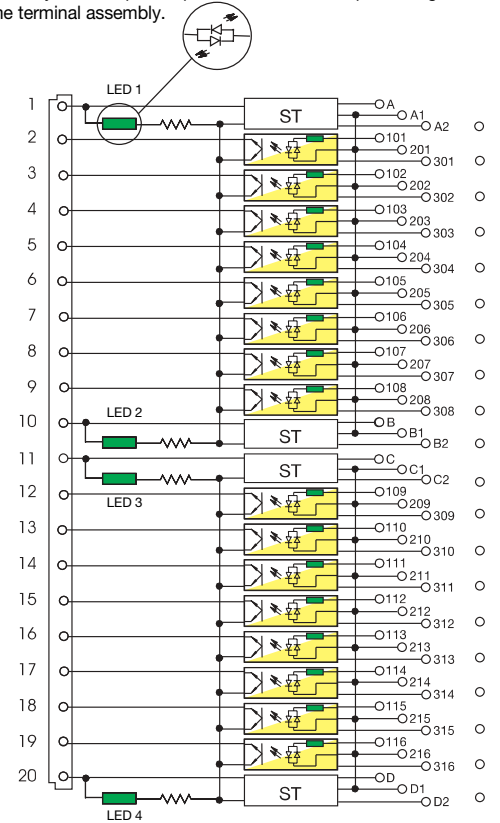
INPUT		5 V DC	24 V DC	48 V DC	125 V DC	24 V AC	48 V AC	115 V AC	230 V AC
Input voltage	+15%, -20% DC + 10%, -15% AC								
Typical triggering at Is = 100 %		3,5 V	12 V	21 V		13 V	22 V	50 V	95 V
Input current		6 mA	5 mA	4,1 mA		8,5 mA	4,5 mA	8 mA	7 mA
Switching time threshold	C/O	20 µs/1,3 ms			6 ms/10 ms				
Leakage current		-	1 mA	0,8 mA		1 mA	1 mA	2 mA	2 mA
OUTPUT									
Maximum output voltage		30 V DC							
Maximum output current		30 mA / pole							
Residual voltage max. I and rated U	standard U	2,3 V DC							
	max.	2,7 V DC							
Input / Output isolation		2,5 kV							
Isolation between each input channel									
TEMPERATURE									
Ambient temperature									
Storage		- 30°C to + 80°C							
Operating		- 20°C to + 55°C							
Wire capacity		0 - 2,5 mm ²							

Accessories

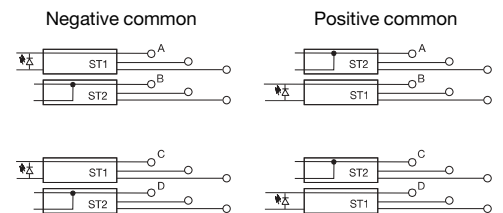
	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

Wiring diagram

Terminal with negative or positive common connection on optocouplers output.
Terminal compatible with automate input cards with positive or negative common connection.
Possibility to use optocouplers with different input voltages on the same terminal assembly.



Strap plugs allowing either a common - or a common + on optocouplers output.

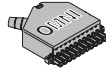


LED 1 and 3 switched on

LED 2 and 4 switched on

interfast MS
PLC decoupling interface
16 optocoupler outputs
Omniconnect product range

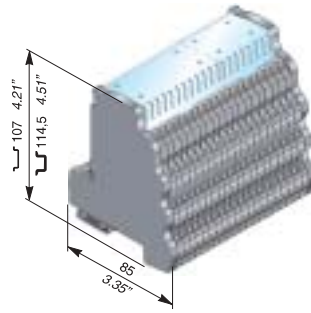
DIN 3



Spacing 112 mm



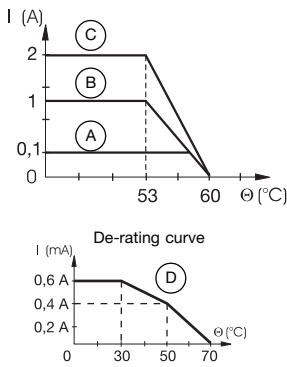
16 N/P optocouplers
optocouplers output terminal



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant inputs possible.

Pluggable optocoupler.
 Permits electrical isolation between an AC or DC input and a 24 V DC output.

Part numbers

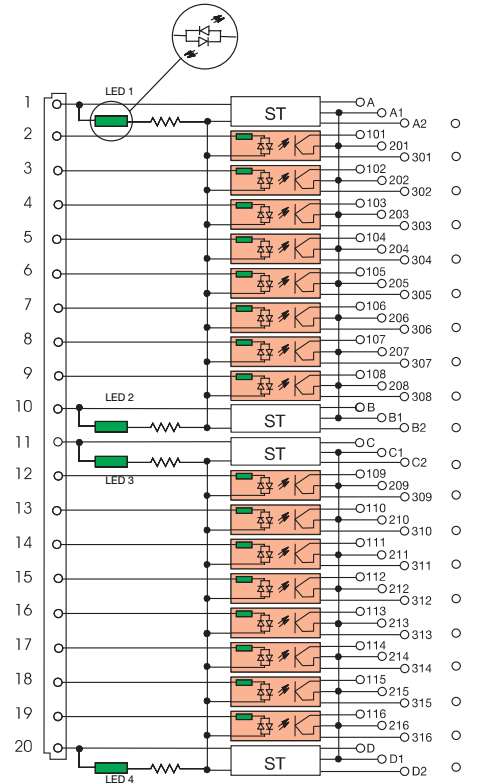


Material in order to perform an optocoupler output terminal.

	Nb	Type	P/N
Terminal:	1	BUNI 20-L	1SNA 631 179 R0300
Strap plug:	2	BNMS ST1	1SNA 031 829 R1100
	2	BNMS ST2	1SNA 031 830 R1600
Optocouplers plugs:	16		
(A) 48 V DC / 100 mA PNP		BNMS P24V-3	1SNA 031 810 R1200
NPN		BNMS N24V-3	1SNA 031 807 R1400
(B) 48 V DC / 1 A PNP		BNMS P24V-2	1SNA 031 819 R1700
NPN		BNMS N24V-2	1SNA 031 817 R0500
(C) 24 V DC / 2 A PNP		BNMS P24V-1	1SNA 031 815 R0300
NPN		BNMS N24V-1	1SNA 031 813 R0100
(D) 250 V AC / 700 mA TRIAC		BNMS A24V-4	1SNA 031 839 R1300

Wiring diagram

R24V-1 relays can be mixed and matched.
 Possibility to use optocouplers with different output voltages on the same terminal assembly.
 Terminal with negative or positive common connection.
 Terminal compatible with automate output cards with positive or negative common connection.

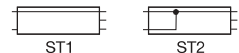


Approval

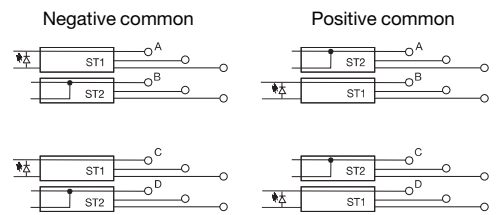
Characteristics

Approval CE

	(A)	(B)	(C)	(D)
INPUT				
Input voltage	+20%, -15%	24 V DC	24 V DC	24 V DC
Typical triggering at Is = 100 %	16 V DC	10 V DC	10 V DC	10 V DC
Input current	4,8 mA	6,7 mA	6,7 mA	3,8 mA
Switching time	C/O	20 µs / 1,3 ms	50 µs / 350 µs	50 µs / 350 µs
Leakage current	1 mA	1 mA	1 mA	1 mA
OUTPUT				
Maximum output voltage	58 V DC	58 V DC	30 V DC	24 to 253 V AC
Maximum output current	100 mA	1 A	2 A	0,6 A
Residual voltage max. I and rated U				
standard U	1 V	1 V	1 V	1 V
max.	1,3 V	1,3 V	1,3 V	1,3 V
Input / Output isolation	2,5 kV	2,5 kV	2,5 kV	2,5 kV
Isolation between each input channel				
TEMPERATURE				
Ambient temperature				
Storage	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C
Operating	- 20°C to + 60°C	- 20°C to + 60°C	- 20°C to + 60°C	- 20°C to + 70°C
Wire capacity	0 - 2,5 mm ²	0 - 2,5 mm ²	0 - 2,5 mm ²	0 - 2,5 mm ²



Fuse and strap plugs allowing either a common - or a common +.



LED 1 and 3 switched on

LED 2 and 4 switched on

Accessories

- 1 Comb-type jumper bar
- 2 Fuse-holder plug
- R See section on marking methods.

Type	P/N
PCMS	See section on accessories.
BFMS AUTO	See section on accessories.
RC55	

interfast MS

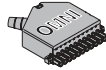
PLC universal interface

8 channels

with screw-clamp connection

Omniconnect product range

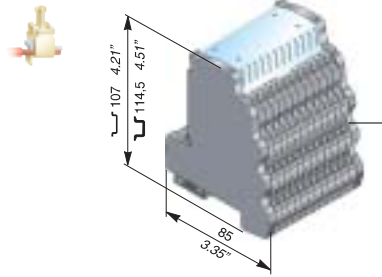
DIN 3



Universal interface

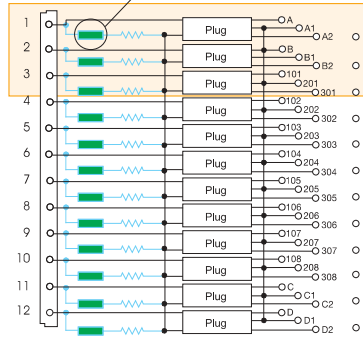
with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant channels possible.

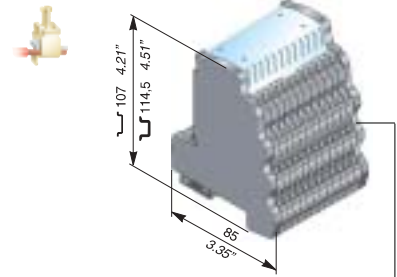
Blue schematic: products equipped with LED



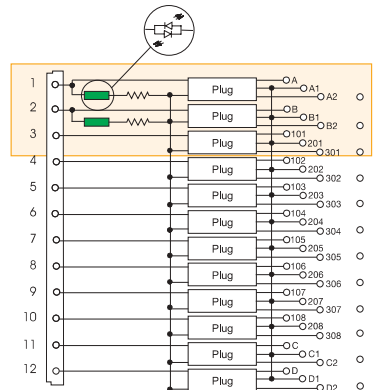
Universal interface

with terminal blocks D2,5/5-UNI-CPE

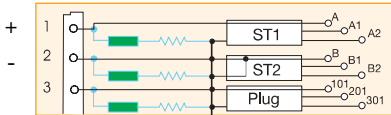
Spacing 71 mm 2.79"



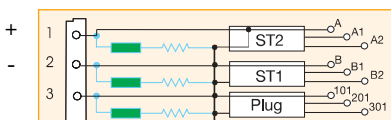
Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant channels possible.



To make a negative common connection, use ST1 and ST2 plugs (see accessories).



To make a positive common connection, use ST1 and ST2 plugs (see accessories).



Part numbers

8 channels without LED	
8 channels with LEDs	

Type	Part number
BUNI 12	1SNA 631 158 R0600
BUNI 12-L	1SNA 631 178 R0200

Block delivered without plug (to be ordered separately).

Type	Part number
BUNI 12-L	1SNA 631 177 R2100

Block delivered without plug (to be ordered separately).

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC		30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C		- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS
2	2 Comb jumper Blue	PCMS
3	3 Comb jumper Grey	PCMS
4	4 Comb jumper Green/Yellow	PCMS
5	5 MS plug	BNMS
6	6 Test plug	BUNI12
7	7 Fuse plug	BUNI12L
8	8 Omniconnect plug	CPFT2
R	R See section on marking methods	RC55

Type	P/N	Type	P/N
12 poles	1SNA 205 532 R2300	12 poles	1SNA 205 532 R2300
12 poles	1SNA 205 533 R2400	12 poles	1SNA 205 533 R2400
12 poles	1SNA 205 531 R2200	12 poles	1SNA 205 531 R2200
12 poles	1SNA 205 534 R2500	12 poles	1SNA 205 534 R2500
See section on accessories (Compatible with model 1 and 2)		See section on accessories (Compatible with model 1 and 2)	
(Compatible with model 1 and 2)		(Compatible with model 1 and 2)	
(Compatible with model 1)		(Compatible with model 1)	
12 poles	See section on accessories	12 poles	See section on accessories
RC55		RC55	

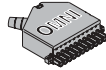
interfast MS

PLC universal interface

16 channels

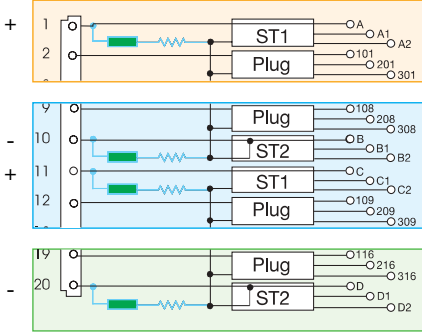
with screw-clamp connection

Omniconnect product range

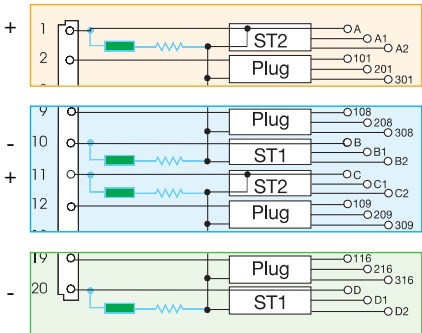


DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).



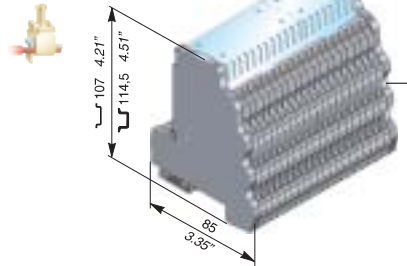
To make a positive common connection, use ST1 and ST2 plugs (see accessories).



Universal interface

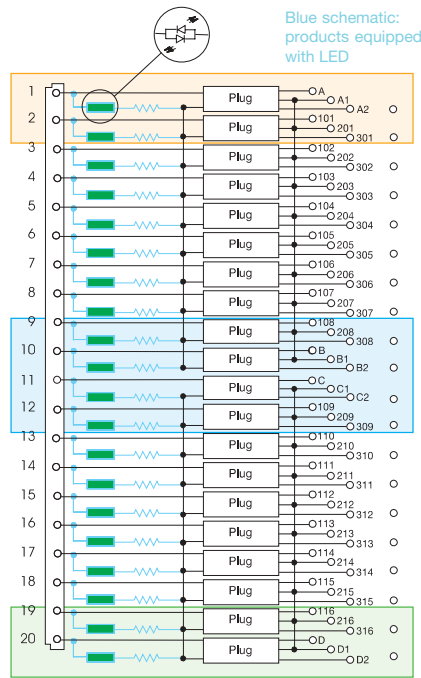
with terminal blocks D2,5/5-UNI-CPE

Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

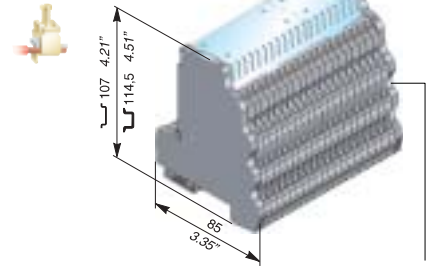
To make a negative or positive common connection, see the far left column.



Universal interface

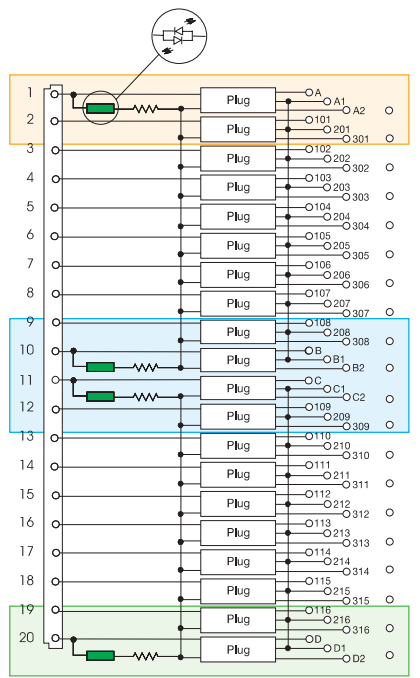
with terminal blocks D2,5/5-UNI-CPE

Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

To make a negative or positive common connection, see the far left column.



Part numbers

16 channels without LED	
16 channels with LEDs	

Type

BUNI 20		1SNA 631 151 R2700
BUNI 20-L		1SNA 631 180 R2100

Block delivered without plug (to be ordered separately).

Type

BUNI 20-L		1SNA 631 179 R0300
-----------	--	--------------------

Block delivered without plug (to be ordered separately).

Characteristics

Maximum voltage	250 V AC/DC
Maximum current per point	2 A
Maximum current in common wires	5 A
Current per LED	5 mA
Fuse on the power supply	
Fuse per point	
Test voltage	
Operating temperature	- 20°C to + 75°C
Storage temperature	- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles
Wire capacity	0-2,5 mm ²

Without LED

With LEDs

Maximum voltage	30 V DC
Maximum current per point	2 A
Maximum current in common wires	5 A
Current per LED	5 mA
Fuse on the power supply	
Fuse per point	
Test voltage	
Operating temperature	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C
Type of connector	Omniconnect
Wire capacity	0-2,5 mm ²

Without LED

With LEDs

Maximum voltage	30 V DC
Maximum current per point	2 A
Maximum current in common wires	5 A
Current per LED	5 mA
Fuse on the power supply	
Fuse per point	
Test voltage	
Operating temperature	- 20°C to + 75°C
Storage temperature	- 40°C to + 80°C
Type of connector	Omniconnect
Wire capacity	0-2,5 mm ²

Accessories

	1 Comb jumper	Red
	2 Comb jumper	Blue
	3 Comb jumper	Grey
	4 Comb jumper	Green/Yellow
	5 MS plug	
	6 Test plug	
	7 Fuse plug	
	8 Omniconnect plug	
	R See section on marking methods	

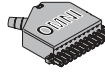
Type

PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
PCMS		10 poles	1SNA 205 525 R2400
PCMS		10 poles	1SNA 205 523 R2200
PCMS		10 poles	1SNA 205 526 R2500
BNMS	See section on accessories (Compatible with model 1 and 2)		
BUNI20			(Compatible with model 1 and 2)
BUNI20L			(Compatible with model 1)
CPFT2	20 poles		See section on accessories
RC55			

Type

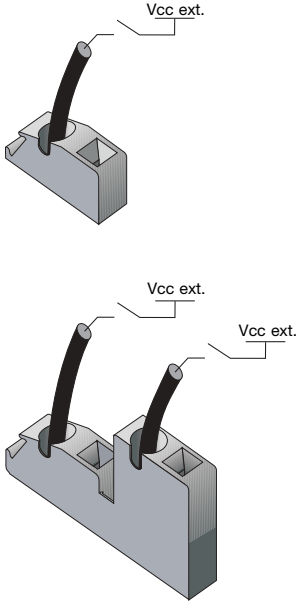
PCMS	Other numbers of poles. Please see accessories section.	10 poles	1SNA 205 524 R2300
PCMS		10 poles	1SNA 205 525 R2400
PCMS		10 poles	1SNA 205 523 R2200
PCMS		10 poles	1SNA 205 526 R2500
BNMS	See section on accessories (Compatible with model 1 and 2)		
CPFT2	20 poles		See section on accessories
RC55			

interfast
PLC connector interface
16 channels
with spring loaded terminals
Omniconnect product range



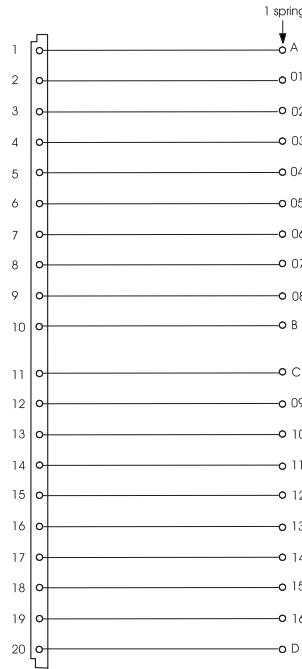
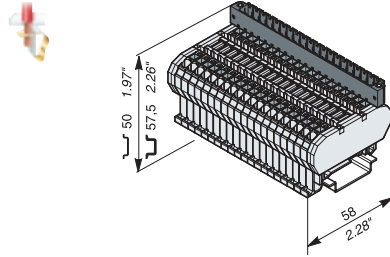
Applications

Single-wire Interface



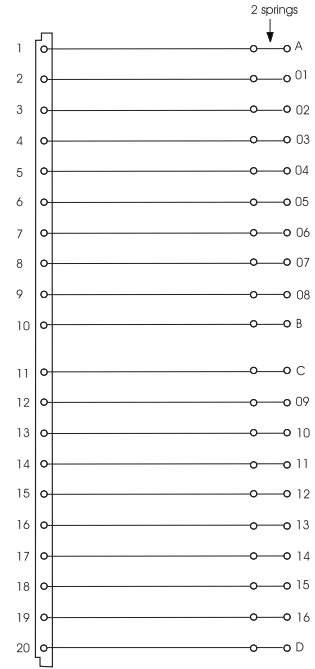
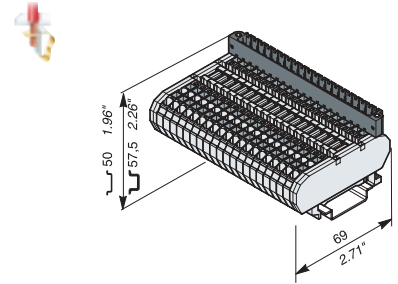
Single-wire interface with 1 spring
 with terminal blocks D 2,5 / 5-2L

Spacing 112 mm 4.41"



Single-wire interface with 2 springs
 with terminal blocks D 2,5 / 5 . 3L

Spacing 112 mm 4.41"



Part numbers

16 channels without LED	
32 channels without LED	

Type	Part number	mm	L	inch
BOM-1R-16	1SNA 032 001 R1000	112		4.41

Type	Part number	mm	L	inch
BOM-2R-16	1SNA 032 002 R1100	112		4.41

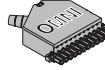
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC		250 V AC/DC	
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED				
Fuses on the power supply				
Fuses per point				
Test voltage	3 kV		3 kV	
Operating temperature	- 20°C to + 70°C		- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0,12 - 2,5 mm ²		0,12 - 2,5 mm ²	

Accessories

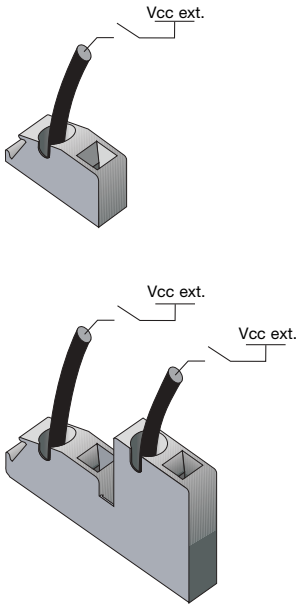
	Type	P/N	Type	P/N
1 Test plug black	FC2	DIA. 2 mm 1SNA 007 865 R2600	FC2	DIA. 2 mm 1SNA 007 865 R2600
2 Jumper bar orange	BJDL5	See section on accessories	BJDL5	See section on accessories
3 Omniconnect plug	CPFT2	20 poles See section on accessories	CPFT2	20 poles See section on accessories
R R See section on marking methods	On top: RC510	On sides: RC55	On top: RC510	On sides: RC55

interfast
PLC connector interface
16 channels
with spring loaded terminals
Omniconnect product range



Applications

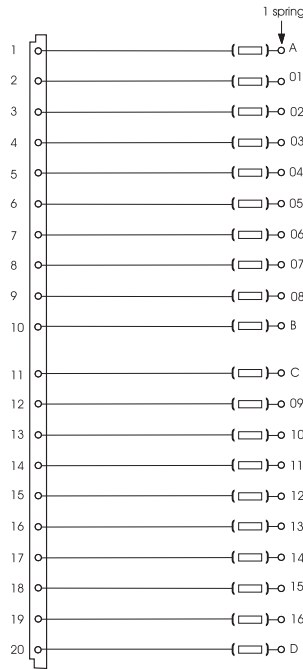
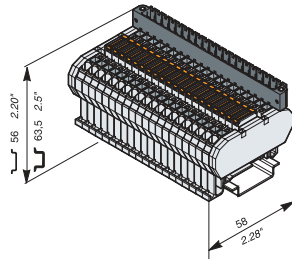
Single-wire
 Interface



**Interruptible interface
 with 1 spring**

with terminal blocks D 2,5 / 5 . SNBT . 2L

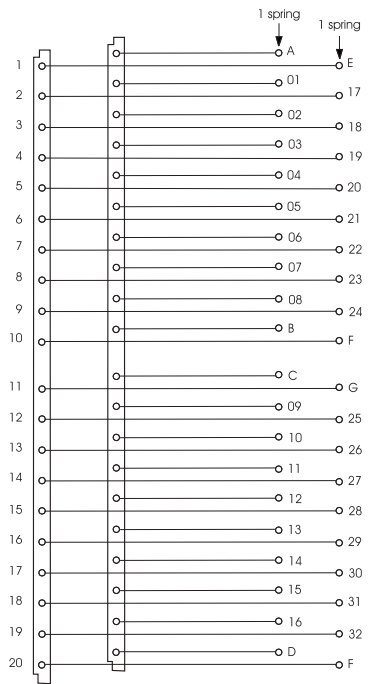
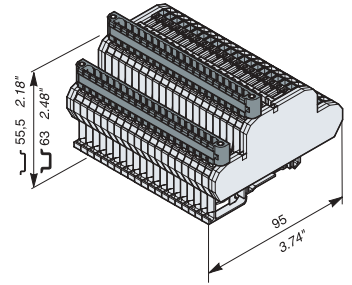
Spacing 112 mm 4.41"



**Compact single-wire interface
 with 1 spring**

with terminal blocks D 2,5 / 5 . D2 . L

Spacing 112 mm 4.41"



Part numbers

16 channels without LED	
32 channels without LED	

Type	Part number	mm	L	inch
BOM-1R-16-S	1SNA 032 004 R1300	112		4.41

Type	Part number	mm	L	inch
B2OM-1R-32	1SNA 032 003 R1200	112		4.41

Characteristics

	Without LED	With LEDs		Without LED	With LEDs
Maximum voltage	250 V AC/DC			250 V AC/DC	
Maximum current per point	2 A			2 A	
Maximum current in common wires	5 A			5 A	
Current per LED					
Fuses on the power supply					
Fuses per point					
Test voltage	3 kV			3 kV	
Operating temperature	- 20°C to + 70°C			- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C			- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles			Omniconnect plug 20 poles	
Wire capacity	0,12 - 2,5 mm ²			0,12 - 2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1 Test plug black	FC2	DIA. 2 mm 1SNA 007 865 R2600	FC2	DIA. 2 mm 1SNA 007 865 R2600
2 Jumper bar orange	BJDL5	See section on accessories	BJDL5	See section on accessories
3 Omniconnect plug	CPFT2	20 poles See section on accessories	CPFT2	20 poles See section on accessories
R See section on marking methods	On top: RC510	On sides: RC55	On top: RC510	On sides: RC55



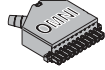
Interface boards

Summary

C1 - Screw connection interfaces	152
C2 - Screw decoupling interfaces	162
C3 - Spring connection interfaces	178
C4 - Spring decoupling interfaces	188

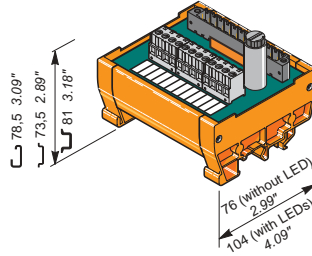
interfast

PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range



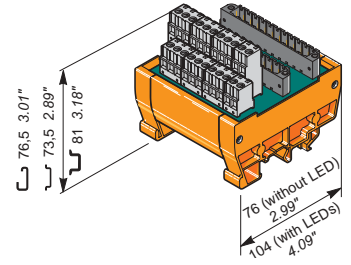
Single-wire interface

Spacing 78 mm 3.07"



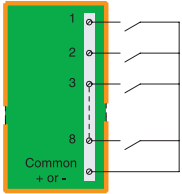
Compact Single-wire interface

Spacing 78 mm 3.07"



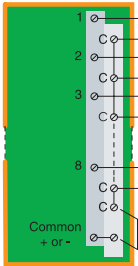
Applications

Single-wire Interface



Single-wire sensors or actuators

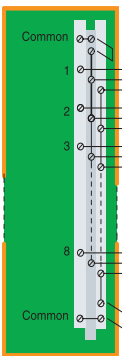
Two-wire Interface



Two-wire sensors or actuators

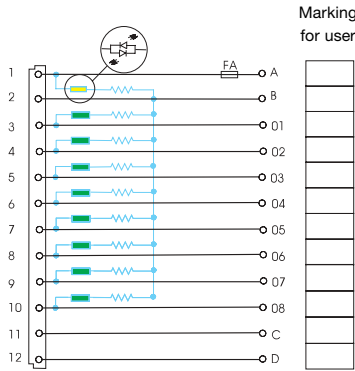
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

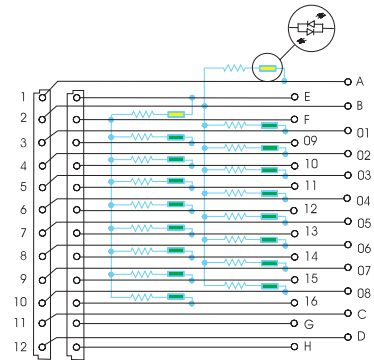


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Blue schematic: products equipped with LED



Blue schematic: products equipped with LED

Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	inch
BFOM-8	1SNA 021 024 R0300	78	3.07
BFOM-8-L	1SNA 021 026 R0500	78	3.07

Type	Part number	mm	inch
BF2OM-16	1SNA 021 020 R1300	78	3.07
BF2OM-16-L	1SNA 021 022 R0100	78	3.07

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

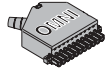
interfast

PLC connector interface

8 channels

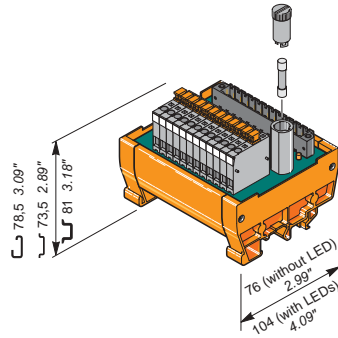
with screw-clamp connection

Omniconnect Product range



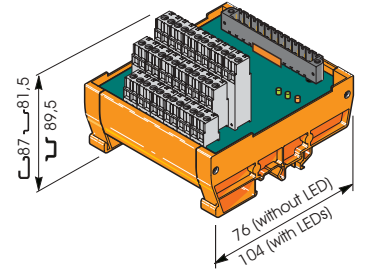
Interruptible interface

Spacing 78 mm 3.07"



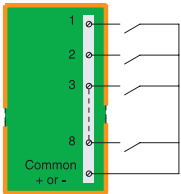
Three-wire interface with + and - common

Spacing 78 mm 3.07"



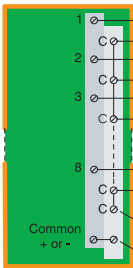
Applications

Single-wire Interface



Single-wire sensors or actuators

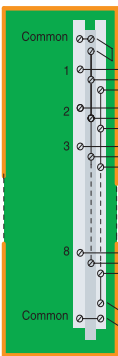
Two-wire Interface



Two-wire sensors or actuators

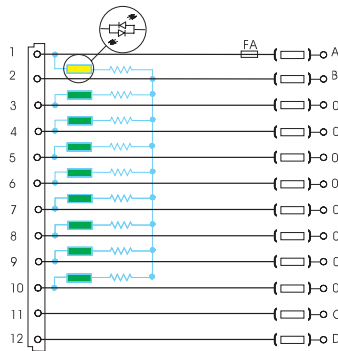
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

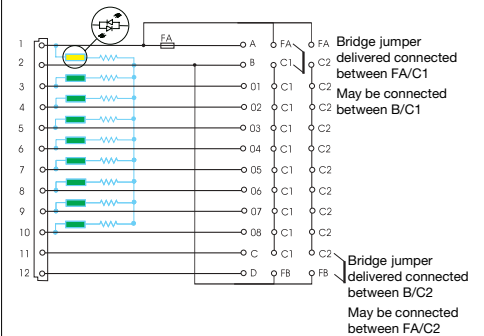


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Blue schematic: products equipped with LED



Blue schematic: products equipped with LED

2 mm dia. test points on each side of isolator

Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	inch
BFOM-8-S	1SNA 021 032 R0300	78	3.07
BFOM-8-SL	1SNA 021 034 R0500	78	3.07

Type	Part number	mm	inch
BFOM-8-T	1SNA 021 048 R2300	78	3.07
BFOM-8-TL	1SNA 021 050 R2100	78	3.07

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

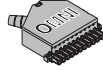
interfast

PLC connector interface

8 channels

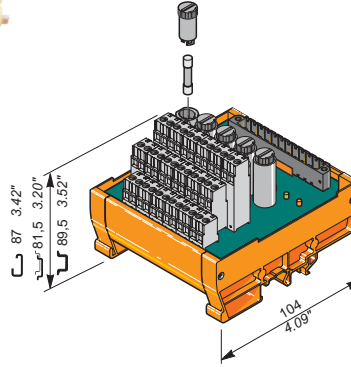
with screw-clamp connection

Omniconnect Product range



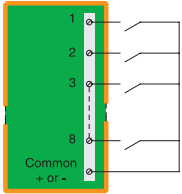
Three-wire interface with + and - common and fuse on each I/O

Spacing 78 mm 3.07"



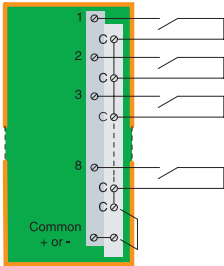
Applications

Single-wire Interface



Single-wire sensors or actuators

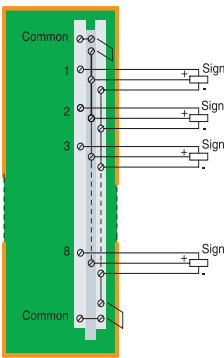
Two-wire Interface



Two-wire sensors or actuators

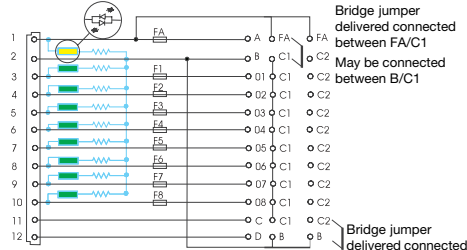
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

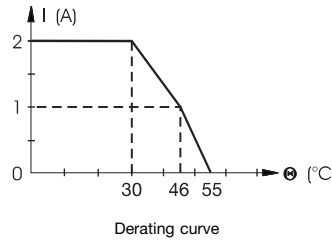


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Blue schematic: products equipped with LED



Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	inch	Type	Part number	mm	inch
BFOM-8-TF	0 1SNA 021 052 R1700	78	3.07				
BFOM-8-TLF	1 1SNA 021 054 R1100	78	3.07				

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	29 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

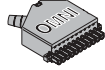
interfast

PLC connector interface

16 channels

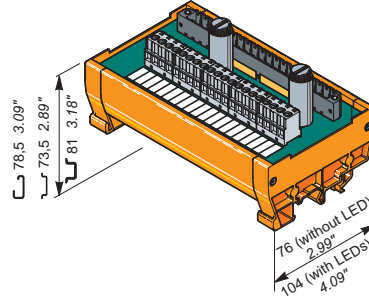
with screw-clamp connection

Omniconnect Product range



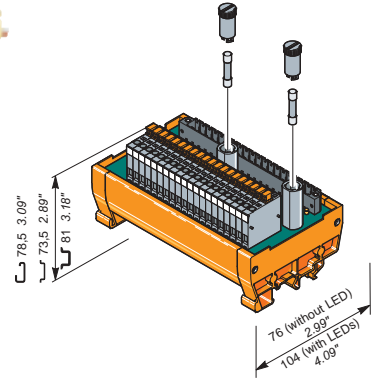
Single-wire interface

Spacing 127 mm 5" / 138 mm 5.44"



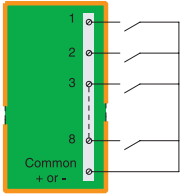
Interruptible interface

Spacing 118 mm 4.65" / 138 mm 5.44"



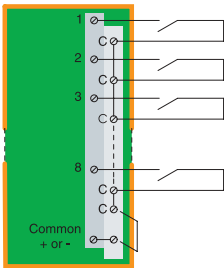
Applications

Single-wire Interface



Single-wire sensors or actuators

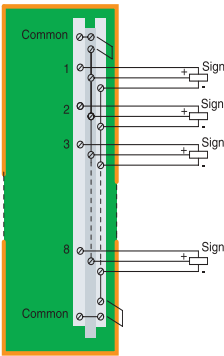
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

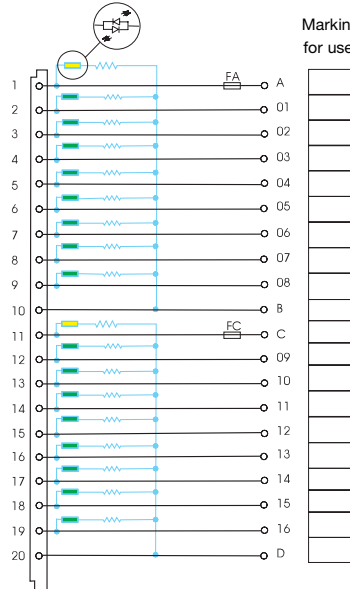
Three-wire Interface



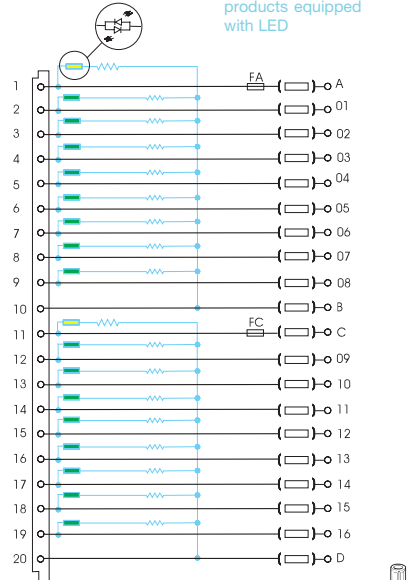
Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

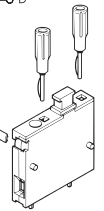
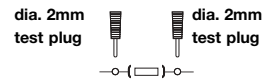
Blue schematic: products equipped with LED



Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator



Part numbers

16 channels without LED	2	1
16 channels with LEDs	3	1
16 channels without LED	4	1
16 channels with LEDs	5	1

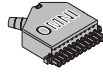
Type	Part number	mm	inch
BFOM-16	1SNA 021 025 R0400	127	5
BFOM-16-L	1SNA 021 027 R0600	138	5.44

Type	Part number	mm	inch
BFOM-16-S	1SNA 021 033 R0400	118	4.65
BFOM-16-SL	1SNA 021 035 R0600	138	5.44

Characteristics

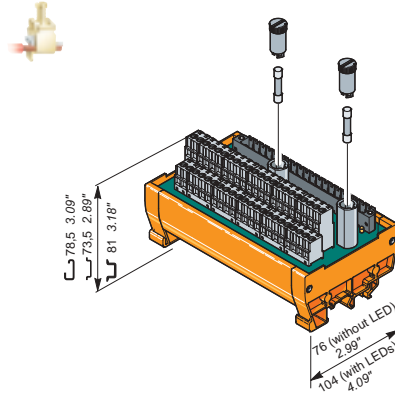
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

interfast PLC connector interface 16 channels with screw-clamp connection Omniconnect Product range



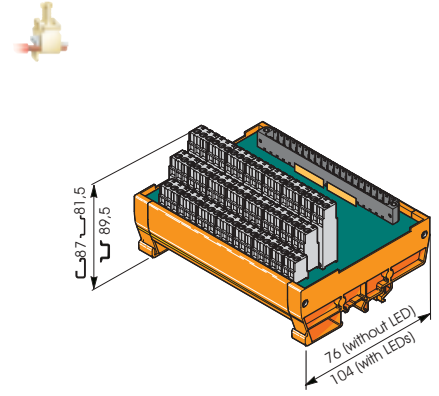
Two-wire interface with choice of + or - common

Spacing 127 mm 5.00" / 138 mm 5.44"



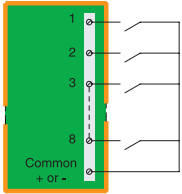
Three-wire interface with + and - common

Spacing 127 mm 5" / 138 mm 5.44"



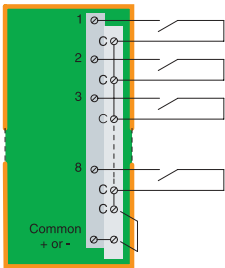
Applications

Single-wire Interface



Single-wire sensors or actuators

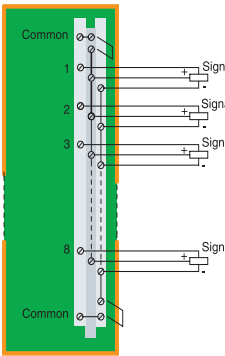
Two-wire Interface



Two-wire sensors or actuators

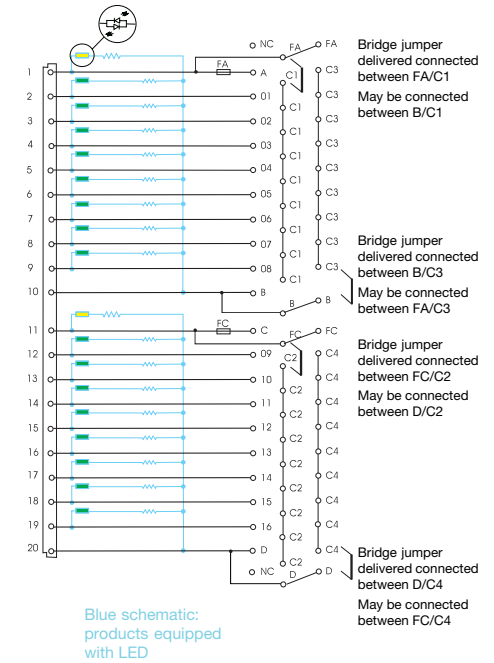
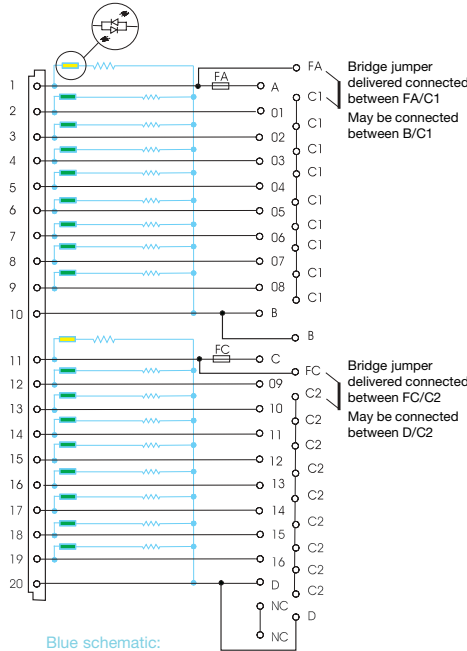
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface



Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Part numbers

16 channels without LED	2	3
16 channels with LEDs	3	4
16 channels without LED	4	5
16 channels with LEDs	5	

Type	Part number	mm	inch
BFOM-16-B	1SNA 021 041 R1400	127	5.00
BFOM-16-BL	1SNA 021 043 R1600	138	5.44

Type	Part number	mm	inch
BFOM-16-T	1SNA 021 049 R2400	127	5.00
BFOM-16-TL	1SNA 021 051 R1600	138	5.44

Characteristics

	Without LED	With LEDs		Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		250 V AC/DC	30 VDC
Maximum current per point		2 A			2 A
Maximum current in common wires		5 A			5 A
Current per LED		5 mA			5 mA
Fuses on the power supply		5 A			5 A
Fuses per point					
Test voltage	1,5 kV	0,5 kV		1,5 kV	0,5 kV
Operating temperature	- 20°C to + 50°C			- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C			- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles			Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²			0-2,5 mm ²	

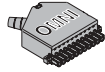
interfast

PLC connector interface

16 channels

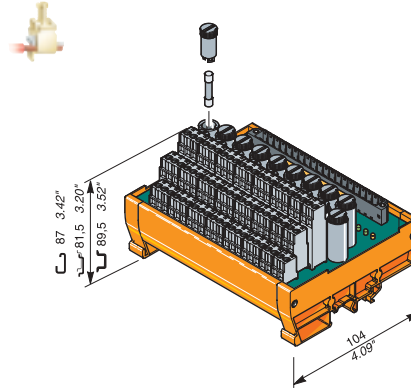
with screw-clamp connection

Omniconnect Product range



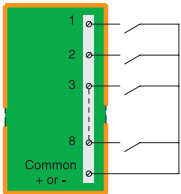
Three-wire interface with + and - common and fuse on each I/O

Spacing 138 mm 5.44"



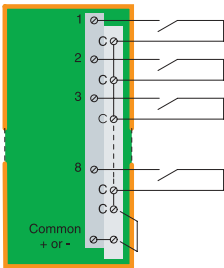
Applications

Single-wire Interface



Single-wire sensors or actuators

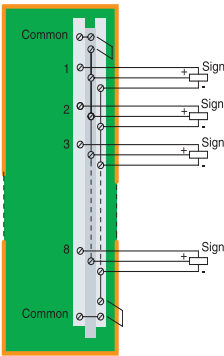
Two-wire Interface



Two-wire sensors or actuators

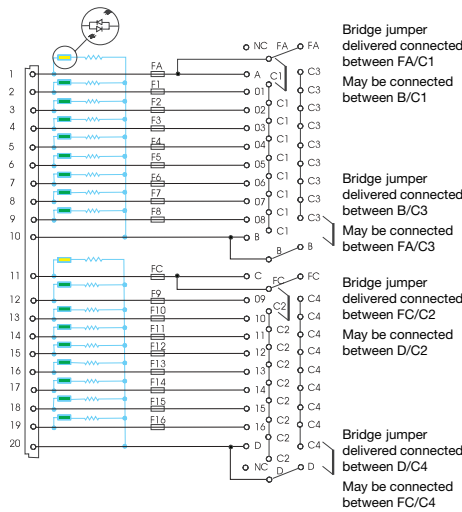
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

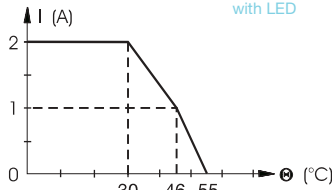


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Blue schematic: products equipped with LED



Derating curve

Part numbers

16 channels without LED	2	3
16 channels with LEDs	3	4
16 channels without LED	4	5
16 channels with LEDs	5	

Type	Part number	mm	inch
BFOM-16-TF	1SNA 021 053 R1000	138	5.44
BFOM-16-TLF	1SNA 021 055 R1200	138	5.44

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm ²			

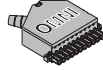
interfast

PLC connector interface

2x16 channels

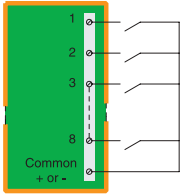
with screw-clamp connection

Omniconnect Product range



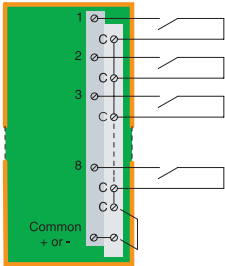
Applications

Single-wire Interface



Single-wire sensors or actuators

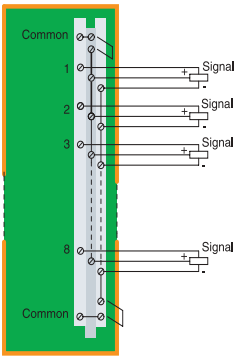
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

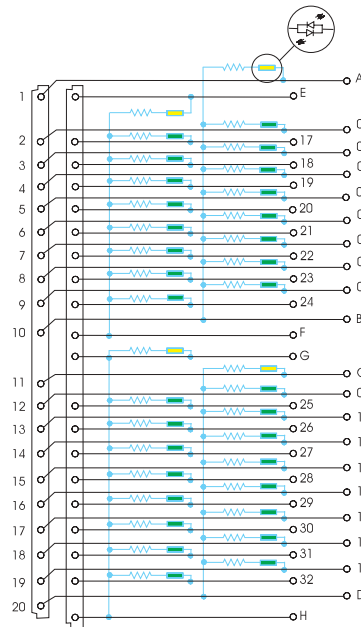
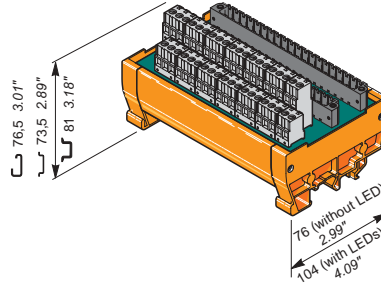


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Single-wire interface

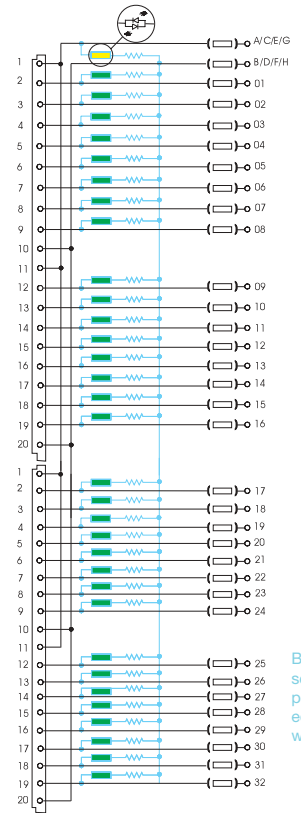
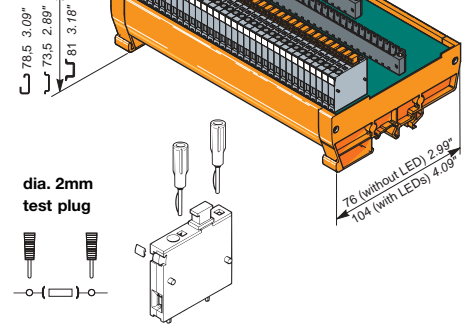
Spacing 118 mm 4.65"



Blue schematic: products equipped with LED

Compact interruptible interface

Spacing 180 mm 7.09"



Blue schematic: products equipped with LED

2 mm dia. test points on each side of isolator

Part numbers

2x16 channels without LED	6
2x16 channels with LEDs	7

Type	Part number	mm	L	inch
BF20M-32	1SNA 021 021 R0000	118	4.65	
BF20M-32-L	1SNA 021 023 R0200	118	4.65	

Type	Part number	mm	L	inch
BF20M-32-S	1SNA 021 097 R0500	180	7.09	
BF20M-32-SL	1SNA 021 095 R0300	180	7.09	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED	5 mA		5 mA	
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omniconnect plugs 20 poles		2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

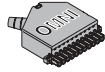
interfast

PLC connector interface

2x16 channels

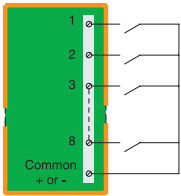
with screw-clamp connection

Omniconnect Product range



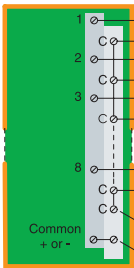
Applications

Single-wire Interface



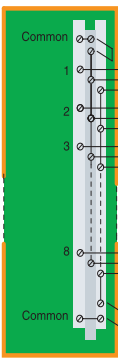
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

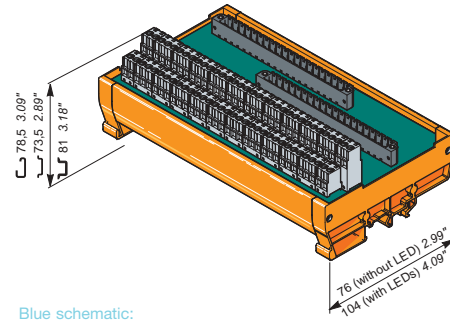
Three-wire Interface



Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Two-wire interface

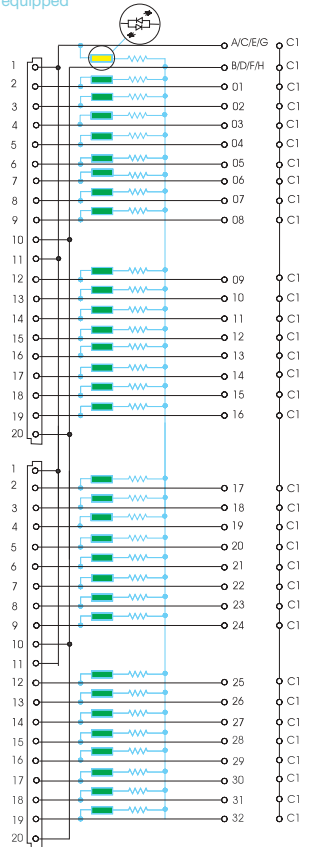
Spacing 180 mm 7.09"



78.5 3.09"
73.5 2.89"
81 3.18"

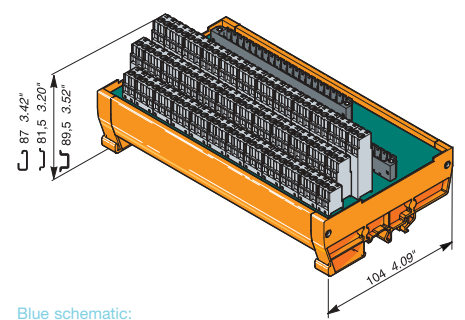
76 (without LED) 2.99"
104 (with LEDs) 4.09"

Blue schematic: products equipped with LED



Compact Three-wire interface

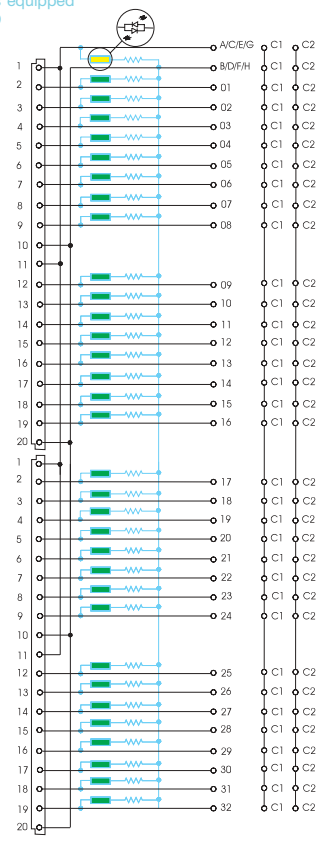
Spacing 180 mm 7.09"



87 3.42"
81.5 3.20"
89.5 3.52"

104 4.09"

Blue schematic: products equipped with LED



Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
2x16 channels without LED	6	BF20M-32-B 1SNA 021 098 R1600	180	7.09	6	BF20M-32-T 1SNA 021 096 R0400	180	7.09
2x16 channels with LEDs	7	BF20M-32-BL 1SNA 021 093 F0100	180	7.09	7	BF20M-32-TL 1SNA 021 094 F0200	180	7.09

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED	5 mA		5 mA	
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omniconnect plugs 20 poles		2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

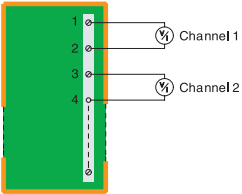
interfast

PLC connector interface with screw-clamp connection
Male Sub D product range

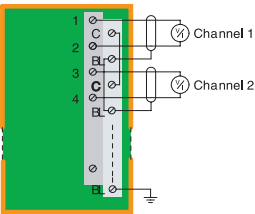


Applications

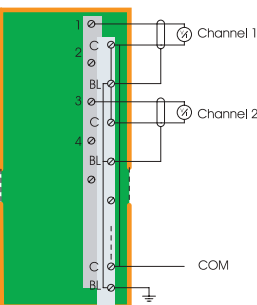
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

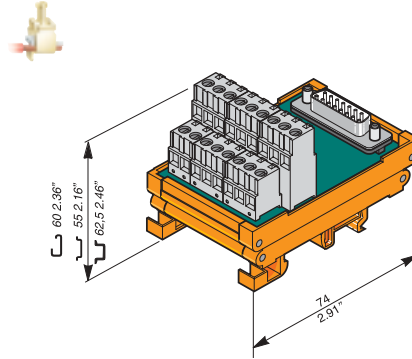


I/O ANA with positive side distribution and shielding connection

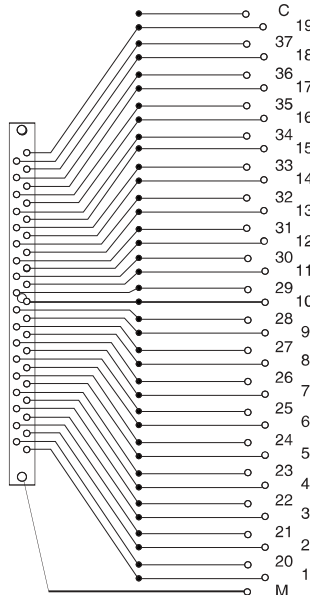


Single-wire interface

Drawing: male Sub D 15 interface

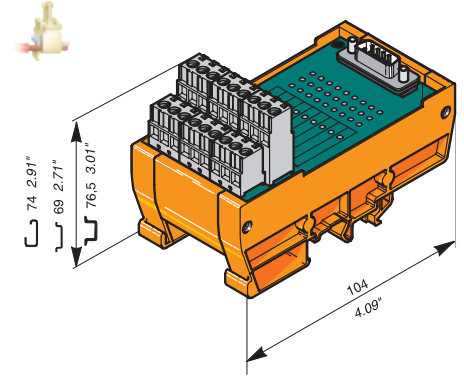


Schematic: male Sub D 37 interface

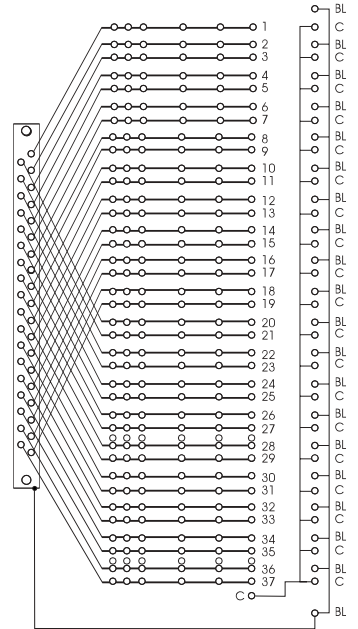


Two-wire interface with a common and common shield

Drawing: male Sub D 9 interface



Schematic: male Sub D 37 interface



C = Common
 BL = Shielding

Part numbers

	Type	Part number	mm	L inch	Type	Part number	mm	L inch
9 points	BFMSUBD9-M HR	1SNA 020 351 R0200	33	1.30	BFSUBD9-M ANA	1SNA 021 056 R1300	55	2.17
15 points	BFMSUBD15-M HR	1SNA 020 352 R0300	48,3	1.90	BFSUBD15-M ANA	1SNA 021 057 R1400	90	3.55
25 points	BFMSUBD25-M HR	1SNA 020 353 R0400	73,7	2.90	BFSUBD25-M ANA	1SNA 021 058 R2500	138	5.44
37 points	BFMSUBD37-M HR	1SNA 020 354 R0500	101,6	4.00	BFSUBD37-M ANA	1SNA 021 059 R2600	197	7.76

Characteristics

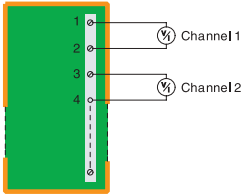
	Without LED	Without LED
Maximum voltage	60 V AC/DC	60 V AC/DC
Maximum current per point	1 A	1 A
Maximum current in common wires		5 A
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	1 kV	0,5 kV
Operating temperature	- 20°C to + 70°C	- 20°C to + 70°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C
Type of connector	1 female SUBD	1 female SUBD
Wire capacity	0-2,5 mm ²	0-2,5 mm ²

interfast
PLC connector interface
with screw-clamp connection
Male Sub D product range

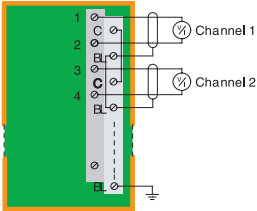


Applications

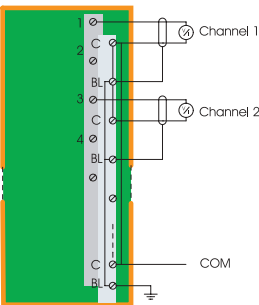
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

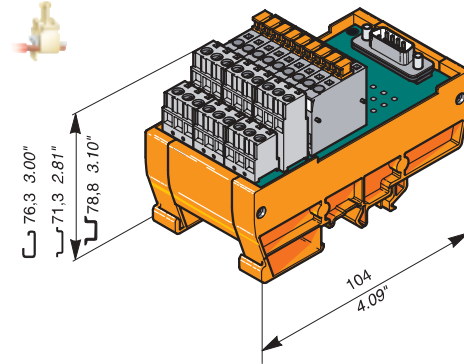


I/O ANA with positive side distribution and shielding connection

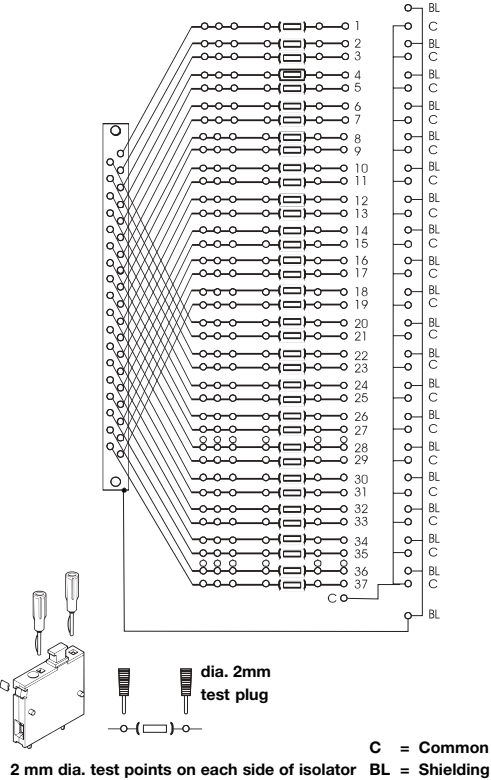


Interruptible interface
with a common and
common shield

Drawing: male Sub D 9 interface



Schematic: male Sub D 37 interface



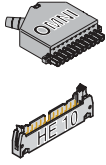
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
9 points	BFSUBD 9 M -ANA-S	1SNA 021 060 R2300	55	2.17				
15 points	BFSUBD 15 M -ANA-S	1SNA 021 061 R1000	90	3.55				
25 points	BFSUBD 25 M -ANA-S	1SNA 021 062 R1100	138	5.44				
37 points	BFSUBD 37 M -ANA-S	1SNA 021 063 R1200	197	7.76				

Characteristics

	Without LED	Without LED
Maximum voltage	60 V AC/DC	
Maximum current per point	1 A	
Maximum current in common wires	5 A	
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	0,5 kV	
Operating temperature	- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C	
Type of connector	1 female SUBD	
Wire capacity	0-2,5 mm ²	

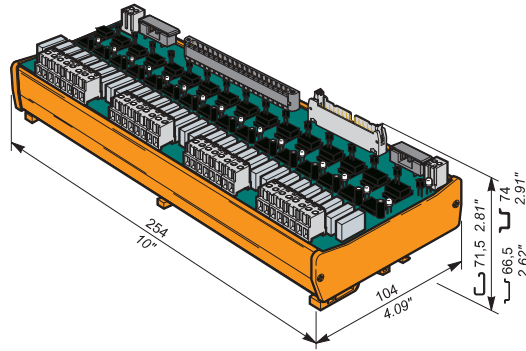
interfast
Decoupling
interface
for PLC
16 optocoupler
interface
Omniconnect and
HE 10/26 point
product range



Width : 254 mm 10"



16 P optocouplers
optocoupler input interface
protected against leakage current insulated input

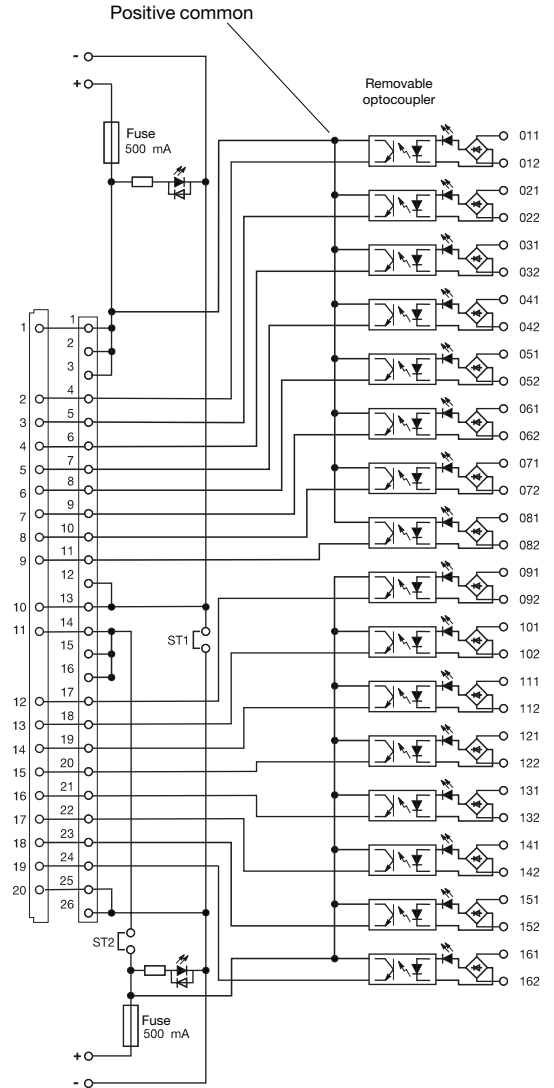


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

Wiring diagram

- Permits electrical isolation between an AC input and a DC output.
- Protected against leakage current ≤ 5 mA.
- Indicating LED for PLC card supply.
- Inputs are mutually isolated for multi-source applications.

Wiring diagram



Interface with positive common connection on optocouplers output.
 Interface compatible with automate input cards with negative common connection.

Part numbers

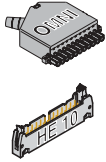
Type		P/N
OI 16C-050	24 VAC / VDC	1SNA 020 921 R1600
OI 16C-050	48 VAC / VDC	1SNA 020 922 R1700
OI 16C-050	110 VAC	1SNA 020 923 R1000
OI 16C-050	230 VAC	1SNA 020 924 R1100

Approval

Characteristics

INPUT	24 VAC/VDC	48 VAC/VDC	110VAC 50Hz	110VAC/60Hz	230 VAC
Input voltage	21,6 to 26,4 V	43,2 to 52,8 V	94 to 152 V	94 to 127 V	196 to 276 V
Typical triggering threshold	15 V	30 V	94 V	94 V	196 V
Input current	9 to 12 mA	9 to 11 mA	15 to 25 mA	15 to 25 mA	18 to 26 mA
Switching time C/O	1ms/25ms	1ms/55ms	10ms/25ms	10ms/25ms	10ms/25ms
Leakage current	1,5 mA	1,5 mA	5 mA	5 mA	5 mA
OUTPUT					
Max. output voltage	30 V				
Max. output current	50 mA				
Residual voltage max. I and rated U					
standard U	$< 1,5$ V / 50 mA				
max.	$< 2,3$ V / 50 mA				
Input / Output isolation	2000 V eff.				
Isolation between each input channel	2000 V eff.				
TEMPERATURE					
Ambient temperature					
Storage	-40°C to $+80^{\circ}\text{C}$				
Operating	-20°C to $+50^{\circ}\text{C}$				
Wire capacity	0 - 2,5 mm ²				

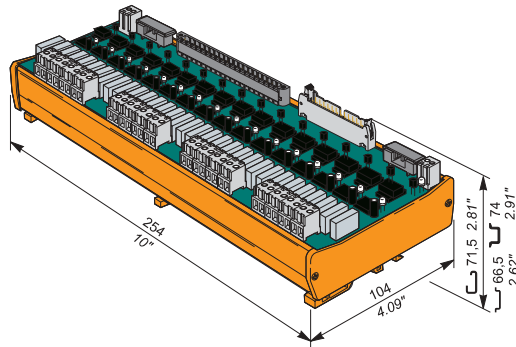
interfast
Decoupling
interface
for PLC
16 optocoupler
interface
Omniconnect and
HE 10/26 point
product range



Width 254 mm 10"



16 P optocouplers
optocoupler input interface
protected against current leakage

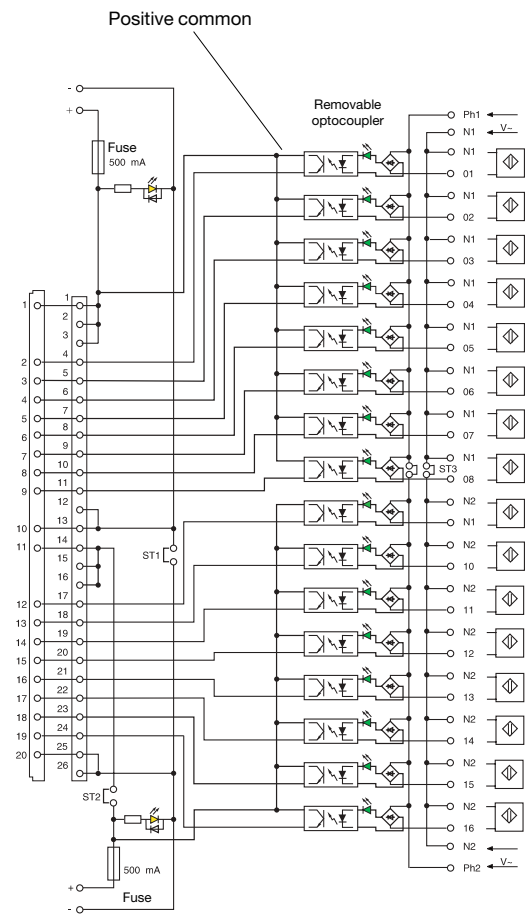


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

Wiring diagram

- Permits electrical isolation between an AC input and a DC output.
- Protected against leakage current ≤ 5 mA.
- Indicating LED for PLC card supply.
- Inputs are mutually isolated for multi-source applications Input voltage.

Wiring diagram



Part numbers

Type		P/N
OI 16C-050-B	24 VAC / VDC	1SNA 020 917 R1200
OI 16C-050-B	48 VAC / VDC	1SNA 020 918 R2300
OI 16C-050-B	110 VAC	1SNA 020 919 R2400
OI 16C-050-B	230 VAC	1SNA 020 920 R2100

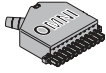
Approval

Characteristics

INPUT	24 VAC/VDC	48 VAC/VDC	110VAC 50Hz	110VAC/60Hz	230 VAC
Input voltage	21,6 to 26,4 V	43,2 to 52,8 V	94 to 152 V	94 to 127 V	196 to 276 V
Typical triggering threshold	15 V	30 V	94 V	94 V	196 V
Input current	9 to 12 mA	9 to 11 mA	15 to 25 mA	15 to 25 mA	18 to 26 mA
Switching time C/O	1ms/25ms	1ms/55ms	10ms/25ms	10ms/25ms	10ms/25ms
Leakage current	1,5 mA	1,5 mA	5 mA	5 mA	5 mA
OUTPUT					
Max. output voltage	30 V				
Max. output current	50 mA				
Residual voltage max. I and rated U					
standard U	$< 1,5$ V / 50 mA				
max.	$< 2,3$ V / 50 mA				
Input / Output isolation	2000 V eff.				
TEMPERATURE					
Ambient temperature					
Storage	-40°C to $+80^{\circ}\text{C}$				
Operating	-20°C to $+50^{\circ}\text{C}$				
Wire capacity	0 - 2,5 mm ²				

Interface with positive common connection on optocouplers output.
 Interface compatible with automate input cards with negative common connection.

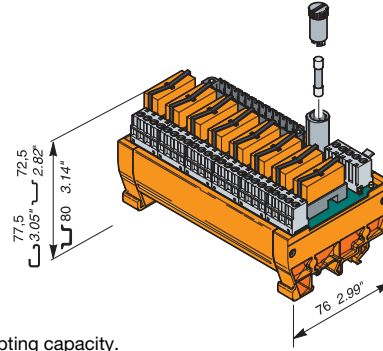
interfast
PLC decoupling
interface
8-relay interface
Omniconnect product
range



Width : 127 mm 5.00"

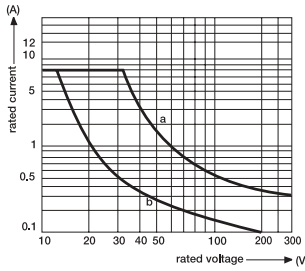


8 N/P relays
1 RT relay output interface

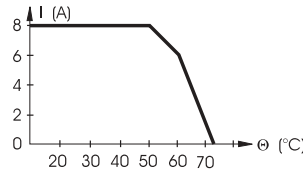


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 821 N/P - 24 VDC	1SNA 021 084 R0000
Schrack® relay 24 V	1SNA 179 208 R2400

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 8 A
Breaking capacity	AC1 mini. / max. 5 mVA / 2000 VA
	DC1 mini. / max. 5 mW / see graphs
Max. load	see graph
Number of operations	on load 10 ⁵
	off load 30 x 16 ⁶
Operating speed	C/O 7 ms / 8 ms
Bounce	1 ms
Isolation	Coil / Contact 5 kV
	Resistance to shock waves Coil / Contact 10 kV
	Isolation Contact / Contact 2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 74°C
Wire capacity	8 ms

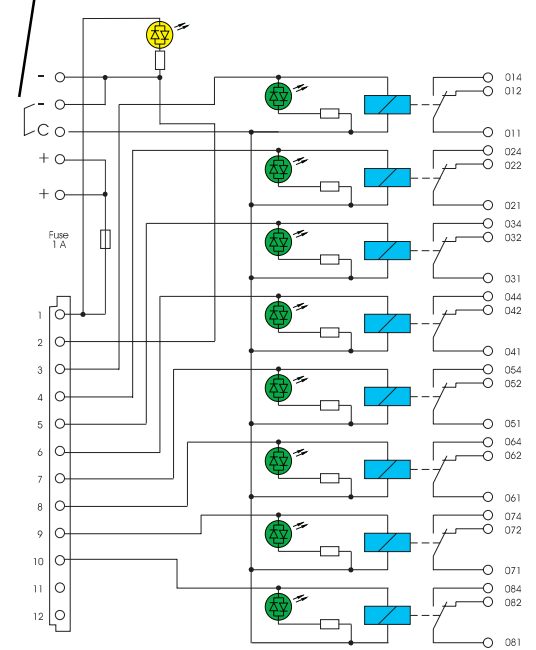
Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails) BAM	th. 9,1 mm 1SNA 103 002 R2600

Wiring diagram

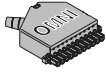
Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with negative or positive common connection.

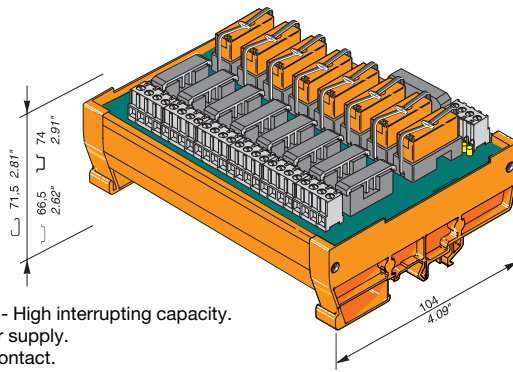
interfast
PLC decoupling
interface
8-relay interface
Omniconnect product
range



Width: 127 mm 5.00"

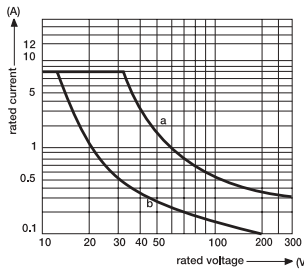


8 N relays
1 RT relay output interface
with fuse on common contact



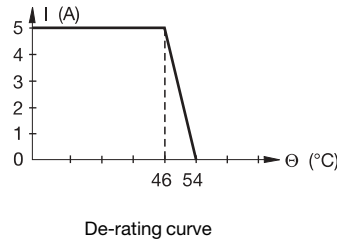
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 1 A - 250 V fuse on PLC power supply.
 5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

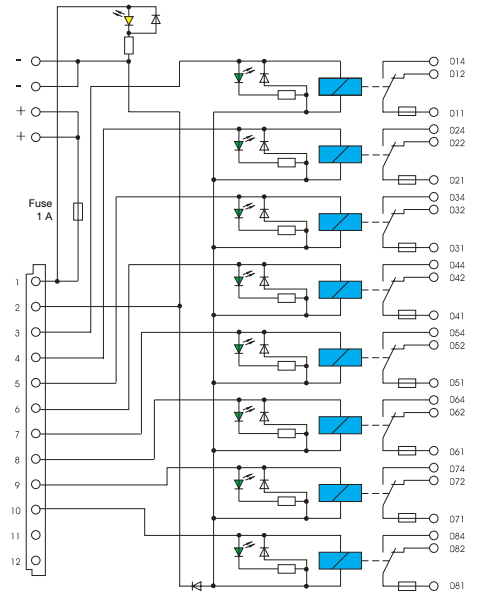
a : resistance
 b : charge inductive, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 821-F-24	1SNA 021 073 R1400
Schrack® relay 24 V	1SNA 179 208 R2400

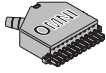
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 mVA / 1250 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
	Resistance to shock waves	10 kV
Isolation	Contact / Contact	2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 59°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

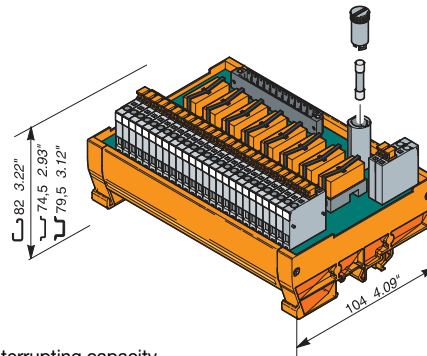
interfast
PLC decoupling
interface
8-relay interface
Omniconnect product
range



Width: 140 mm 5.51"

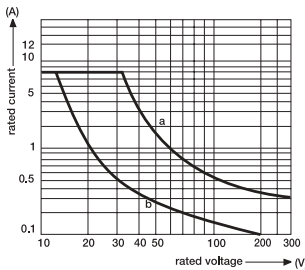


8 N relays
1 RT relay output interface
with switch terminals



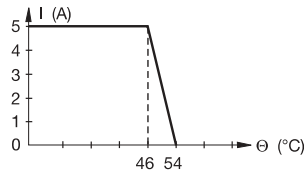
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RIOM 821-S-24 VDC	1SNA 020 911 R1400
Schrack Relay 24V	1SNA 179 208 R2400

Characteristics

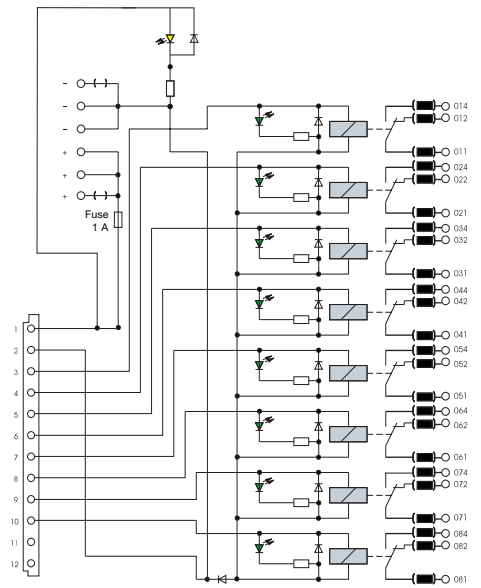
COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 5 A
Breaking capacity AC1 mini. / max.	5 m VA / 1250 VA
DC1 mini. / max.	5 m W / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed C	7 ms
O	8 ms
Bounce	1 ms
Isolation Coil / Contact	2,5 kV
Resistance to shock waves Coil / Contact	
Isolation Contact / Contact	
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 59°C
Wire capacity	0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails) BAM	ep. 9,1 mm 1SNA 103 002 R2600

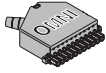
Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

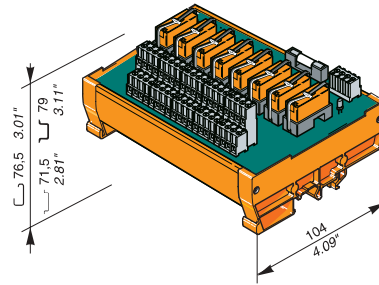
interfast
PLC decoupling
interface
8-relay interface
Omniconnect product
range



Width: 152 mm 5.98"

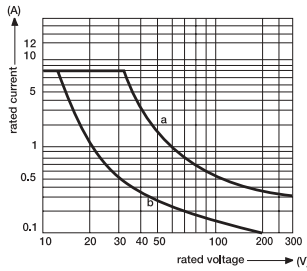


8 N relays
2 RT relay output interface



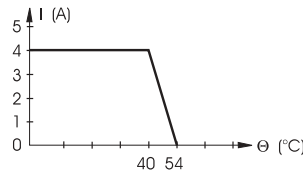
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI OM 822-24	1SNA 021 074 R1500
Schrack® relay 24 V	1SNA 210 021 R2600

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	21 mA
Trip voltage	2,4 VDC
CONTACT	
Type	2 RT
Voltage mini. / max.	12 V / 250 VAC
Switching current mini. / max.	100 mA / 4 A
Breaking capacity AC1 mini. / max.	1,2 VA / 1000 VA
DC1 mini. / max.	1,2 W / see graphs
Max. load	see graph
Number of operations on load	2 x 10 ⁵
Number of operations off load	30 x 16 ⁶
Operating speed C	9 ms
O	12 ms
Bounce	2 ms
Isolation Coil / Contact	3,5 kV
Resistance to shock waves Coil / Contact	10 kV
Isolation Contact / Contact	2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 54°C

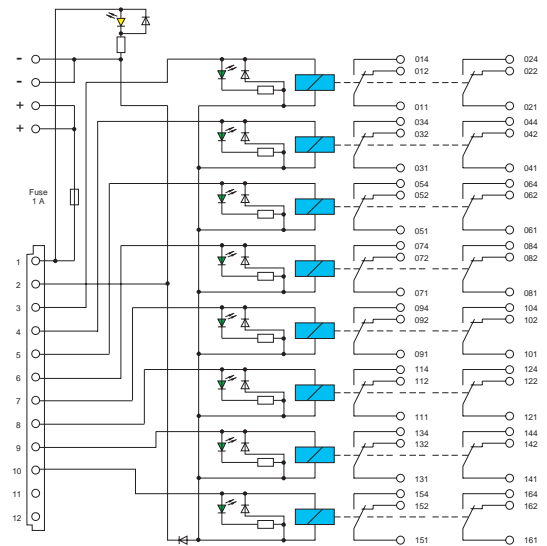
Wire capacity 0 - 2,5 mm²

Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2 32 x 15	1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2 35 x 7,5 x 1	1SNA 174 300 R1700
Rail EN 50022 2 m PR4 35 x 15 x 2,3	1SNA 168 500 R1200
Rail PR5 35 x 15 x 1,5	1SNA 168 700 R2200
End stop (all rails) BAM th. 9,1 mm	1SNA 103 002 R2600

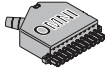
Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

interfast
PLC decoupling
interface
8-relay interface
Omniconnect product
range

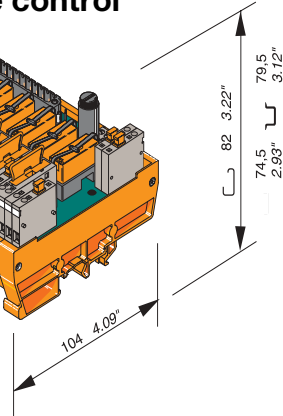
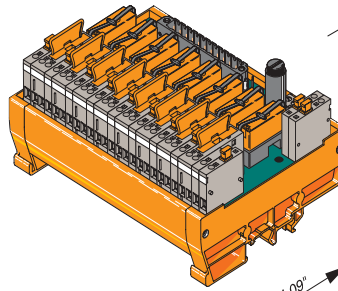


Width : 140 mm 5.51"



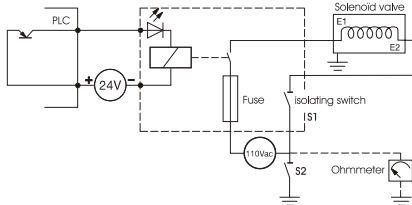
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V. on PLC board power supply.
 Rating 2 A - 250 V. on relay contact.
 - Command indication by green LED.
 - 5 x 20 mm fuse in series with the relay contact which protects the solenoid valve in case of a short circuit.

8 N relays
1T relay output interface
for solenoid valve control



Wiring diagram

In the automobile industry, 50% of PLC outputs control solenoid valves which work in pairs to control pneumatic or hydraulic cylinders.
 Each solenoid valve is protected by a fuse, equipped with an isolating switch, and is grounded with a green/yellow wire.



If an insulation failure occurs between the solenoid valve's E1 (+) and the ground (coil wire in contact with the frame), the fuse provides short circuit protection. A fault may appear between the solenoid valve's E2 (-) and the ground without disturbing operation.
 To detect these faults, inspection operations are conducted.

Inspection operation:

After opening S2, measure the resistance between the circuit and the ground; by successively opening all of the isolating switches S1, the solenoid valve (E2) in contact with ground is detected when the ohmmeter registers a high value.

Part numbers

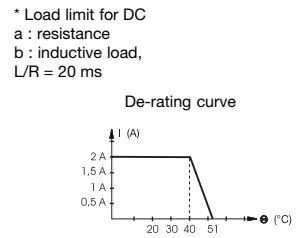
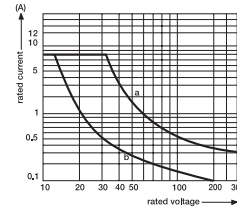
The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RIOM 8 CEV - 24 VDC	1SNA 021 075 R1600
Schrack® relay 24V	1SNA 179 208 R2400

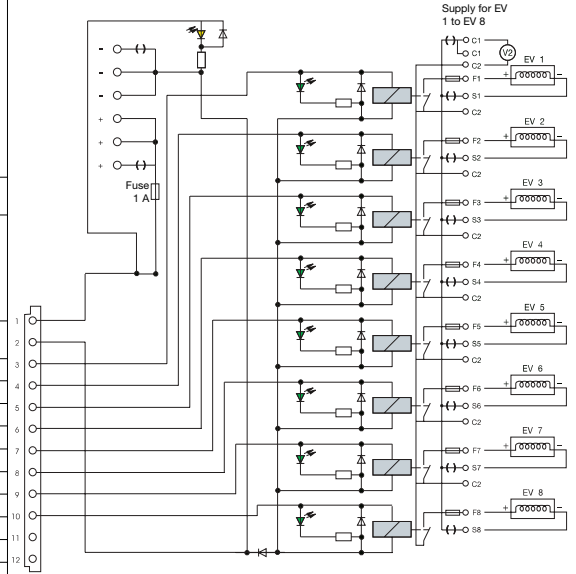
Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 T
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 5 A
Breaking capacity AC1 mini. / max.	5 m VA / 1250 VA
DC1 mini. / max.	5 m W / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed C/O	7 ms / 8 ms
Bounce	1 ms
Isolation Coil / Contact	2,5 kV
Resistance to shock waves Coil / Contact	
Isolation Contact / Contact	
Distribution on the positive side of the contacts	16 A by group of 8
Distribution on the negative side of the EV's	16 by group of 8
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 51°C

Wire capacity	Type	P/N
Accessories		
Rail EN 50035 2 m	PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM	th. 9,1 mm 1SNA 103 002 R2600



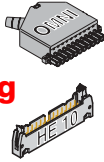
Wiring diagram



Interface with negative common connection.

Interface compatible with automate output cards with positive common connection.

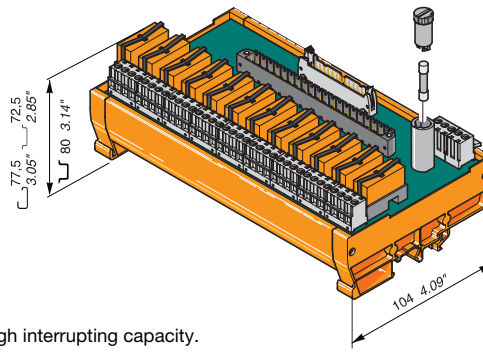
interfast
PLC decoupling
interface
12-relay
interface
Omniconnect and
HE 10/26 product
range



Width : 192 mm 7.56"

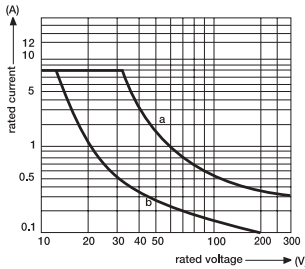


12 N/P relays
1 RT relay output interface



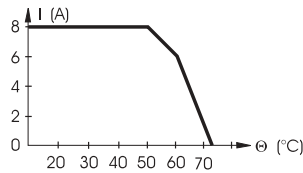
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI 1221 N/P - 24 VDC	1SNA 021 083 R0700
Schrack® relay 24 V	1SNA 179 208 R2400

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 8 A
Breaking capacity AC1 mini. / max.	5 mVA / 2000 VA
DC1 mini. / max.	5 mW / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed C/O	7 ms / 8 ms
Bounce	1 ms
Isolation Coil / Contact	5 kV
Resistance to shock waves Coil / Contact	10 kV
Isolation Contact / Contact	2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 74°C
Wire capacity	0 - 2,5 mm ²

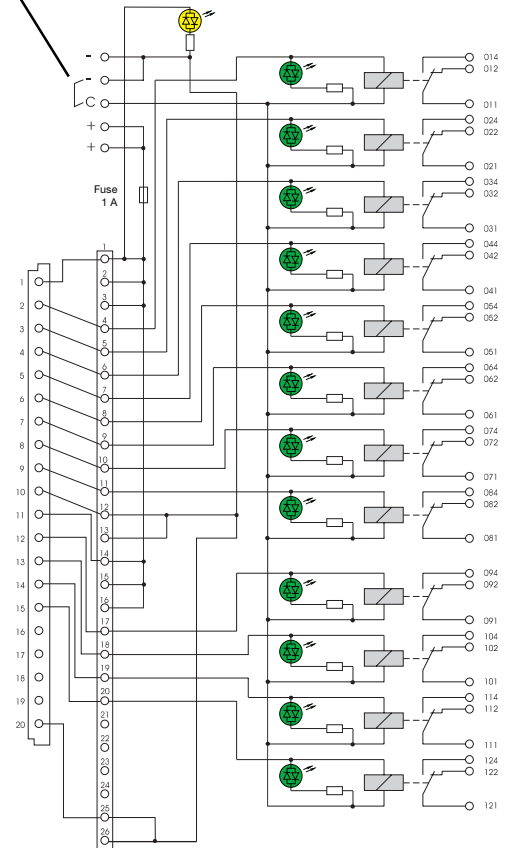
Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

Wiring diagram

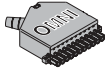
Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

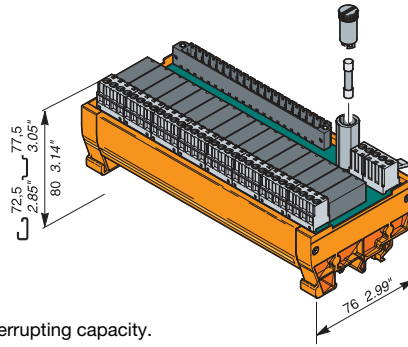
interfast
PLC decoupling
interface
16-relay interface
Omniconnect product
range



Width 170 mm 6.69"

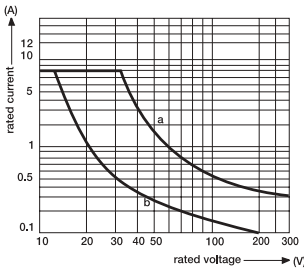


16 N/P relays
1 T relay output interface



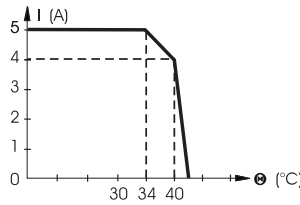
Non removable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with non removable relays.

Type	P/N
RI OM 1611 N/P - 24 VDC	1SNA 021 080 R1000

Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
Power		0,36 W
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	5 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 42°C

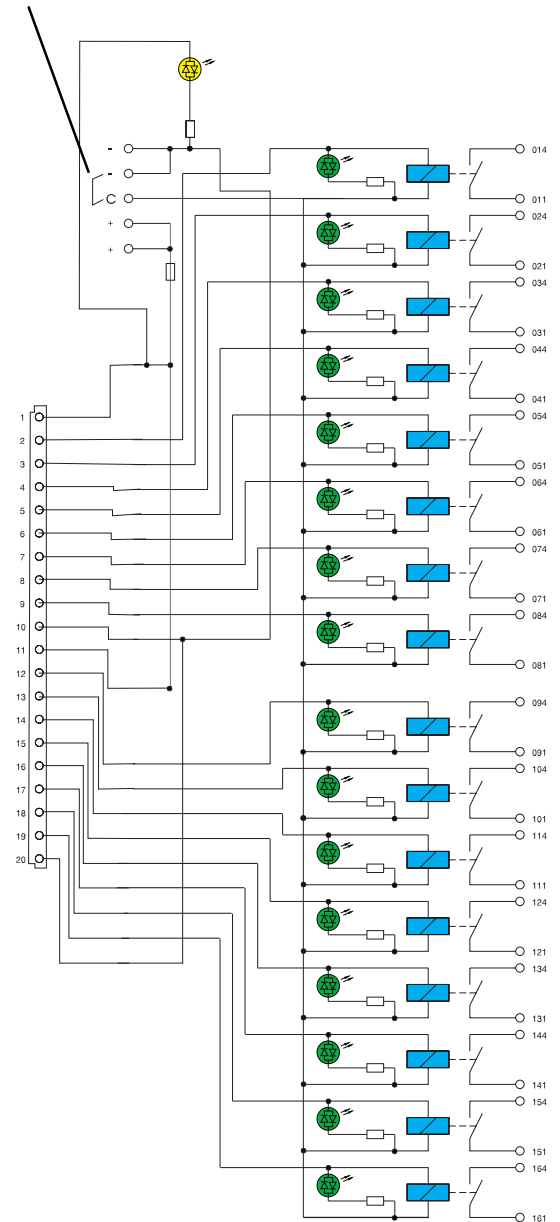
Wire capacity	0 - 2,5 mm ²	
---------------	-------------------------	--

Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails) BAM	th. 9,1 mm 1SNA 103 002 R2600

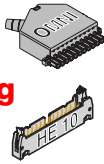
Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

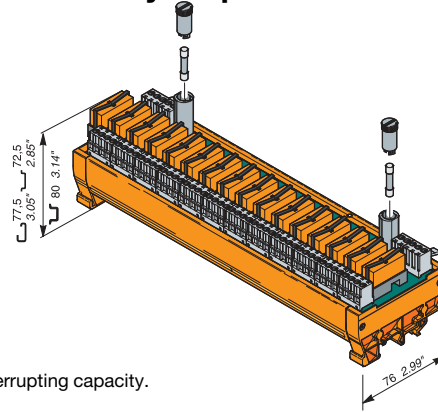
interfast
PLC decoupling
interface
16-relay
interface
Omniconnect product
range
HE 10/26 product
range



Width 252 mm 9.92"

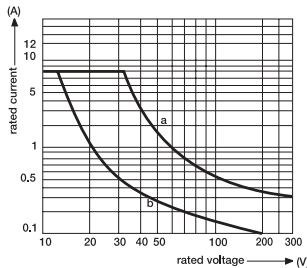


16 N/P relays
1 RT relay output interface



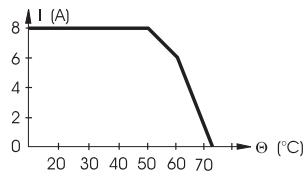
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

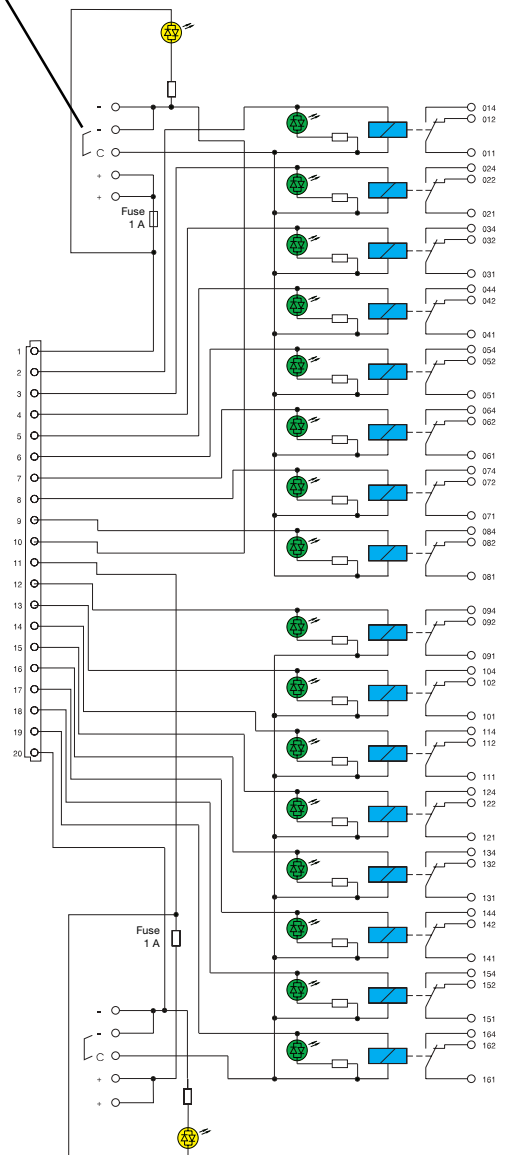
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 1621 N/P - 24 VDC	1SNA 021 082 R0600
Schrack® relay 24V	1SNA 179 208 R2400

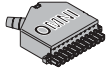
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	2,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

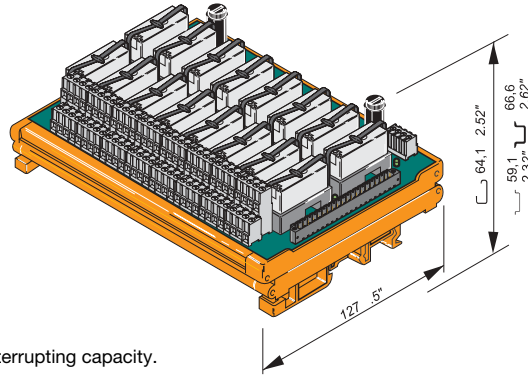
interfast
PLC decoupling
interface
16-relay interface
Omniconnect product
range



Width : 165 mm 6.49"

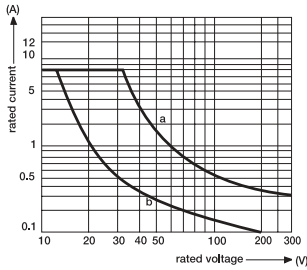


16 N/P relays
Compact 1 RT relay output interface

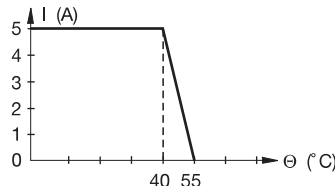


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



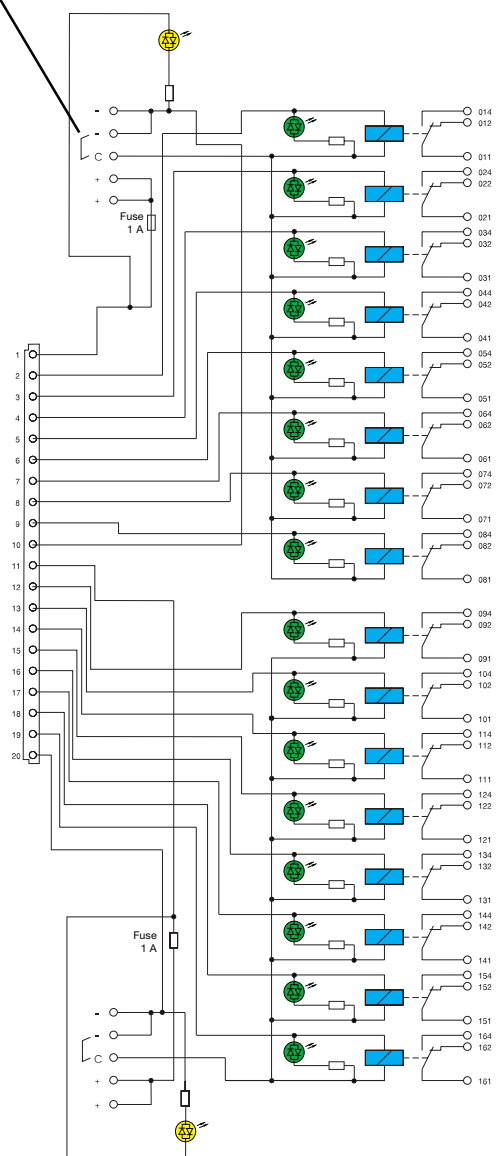
* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RICOM 1621 N/P -24	1SNA 020 915 R1000
Schrack® relay 24V	1SNA 179 208 R2400

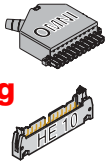
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

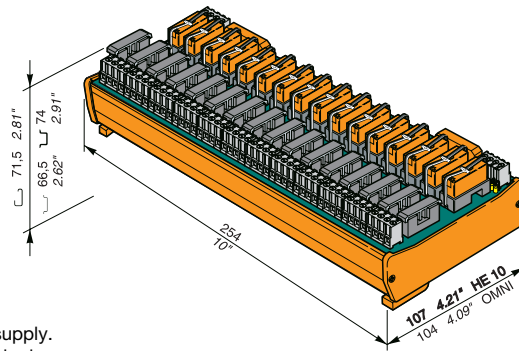
interfast
PLC decoupling
interface
16-relay
interface
Omniconnect product
range
HE 10/26 product
range



Width: 254 mm 10.0"

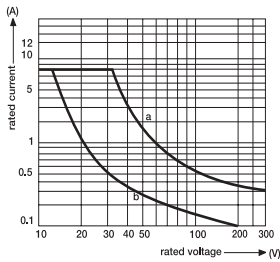


16 N/P relays
1 RT relay output interface
with fused on common contact



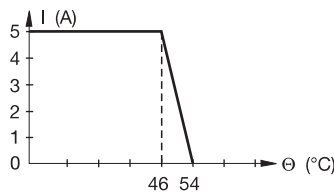
Pluggable relay.
 Delivered with 5 x 20 mm fuse.
 1 A - 250 V fuse on PLC power supply.
 5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

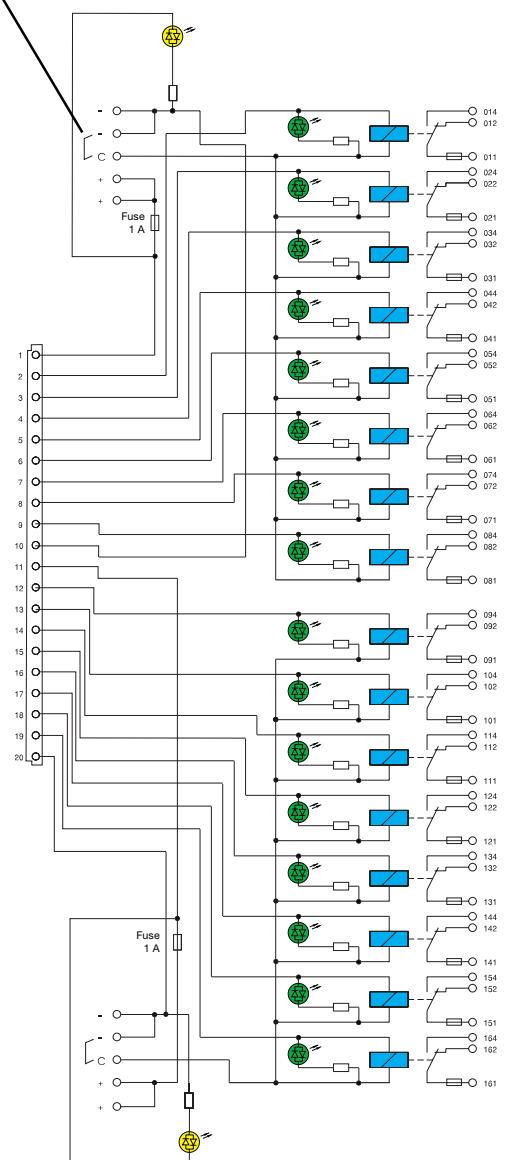
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 1621 N/P-F-24	1SNA 020 927 R1400
Schrack® relay 24 V	1SNA 179 208 R2400

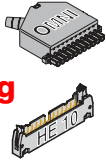
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	2,5 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 59°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

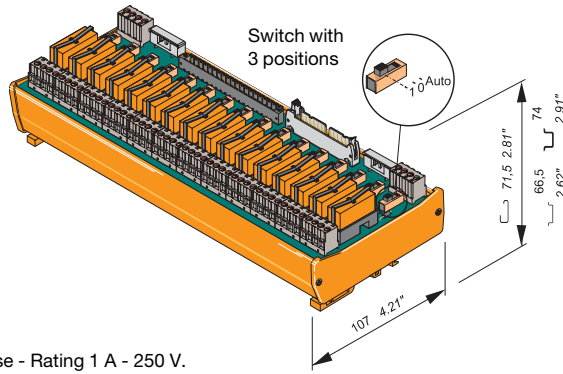
interfast
PLC decoupling
interface
16-relay
interface
Omniconnect and
HE 10/26 product
range



Width: 252 mm 9.92"

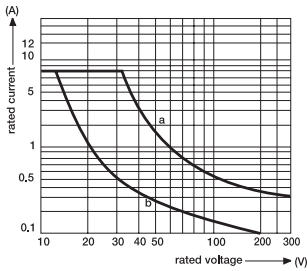


16 N/P relays
1 RT relay output interface
with coil override



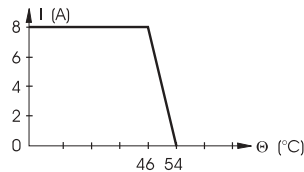
Pluggable relay.
 Delivered with 5 x 20 mm fuse - Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

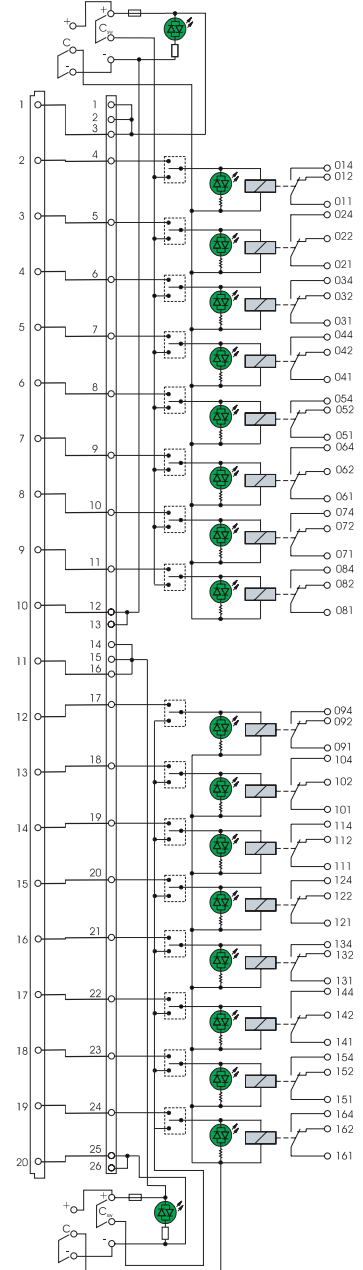
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1621 N/P- SW-24	1SNA 020 928 R2500
Schrack® relay 24 V	1SNA 179 208 R2400

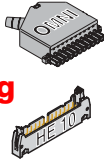
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini./max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity AC1 mini. / max.		5 m VA / 2000 VA
DC1 mini. / max.		5 m W / see graphs
Max. load		see graph
Number of operations on load		10 ⁵
Number of operations off load		30 x 10 ⁶
Operating speed C		7 ms
O		8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves Coil / Contact		
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature Storage		- 40°C to + 80°C
Operating		- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

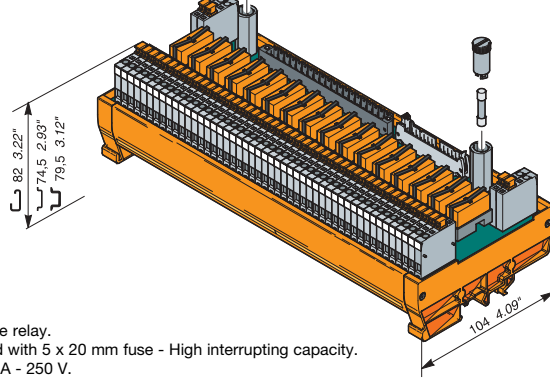
Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

interfast
PLC decoupling
interface
16-relay
interface
Omniconnect and
HE 10/26 product
range



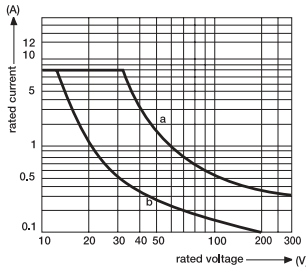
16 N/P relays
1 RT relay output interface
with switch terminal

Width: 271 mm 10.67 "

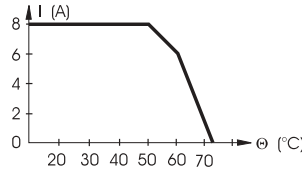


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



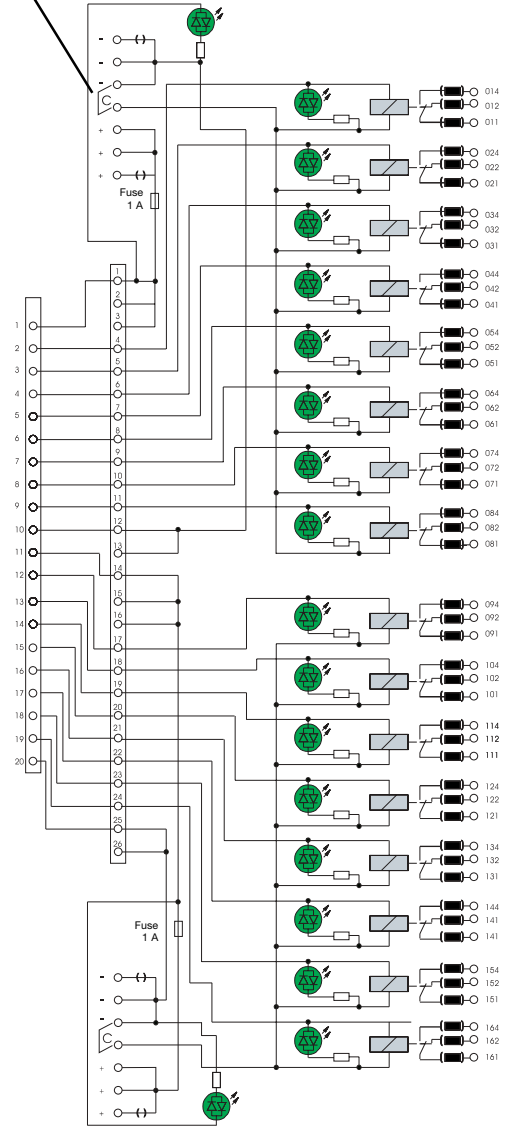
* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays
 The relays are also available separately.

Type	P/N
RI 1621 N/P-S-24VDC	1SNA 020 929 R2600
Schrack® relay 24 V	1SNA 179 208 R2400

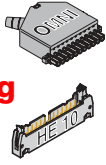
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

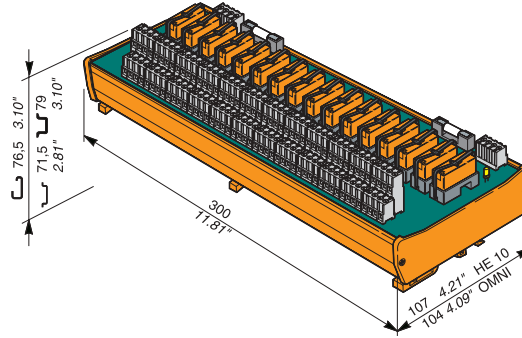
interfast
PLC decoupling
interface
16-relay
interface
Omniconnect and
HE 10/26 product
range



Width: 300 mm 11.81"

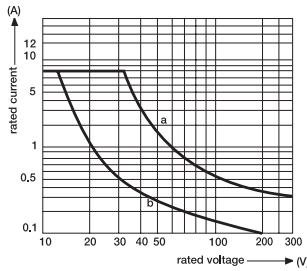


16 N/P relays
2 RT relay output interface



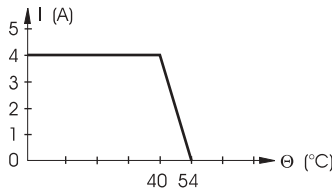
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1622 N/P- 24	1SNA 020 930 R2300
Schrack® relay 24 V	1SNA 210 021 R2600

Characteristics

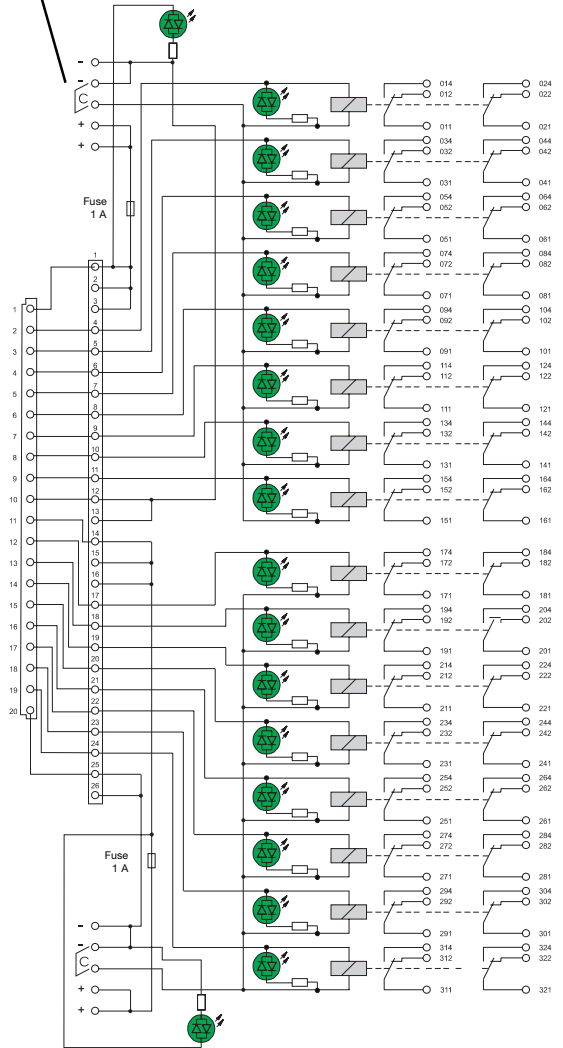
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		21 mA
Trip voltage		2,4 VDC
CONTACT		
Type		2 RT
Voltage mini./max.		12 V / 250 VAC
Switching current mini. / max.		100 mA / 4 A
Breaking capacity	AC1 mini. / max.	1,2 VA / 1000 VA
	DC1 mini. / max.	1,2 W / see graphs
Max. load		see graph
Number of operations	on load	2 x 10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	9 ms / 12 ms
Bounce		2 ms
Isolation	Coil / Contact	3,5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation	Contact / Contact	2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

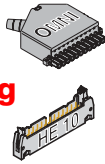
Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with a common -

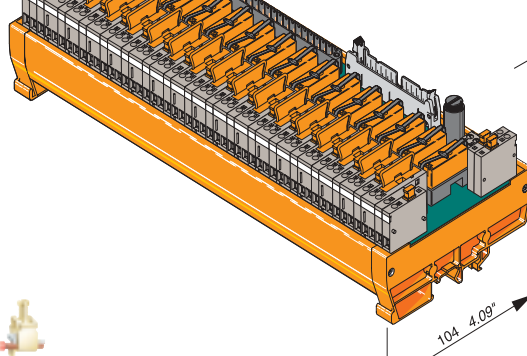


Interface compatible with automate output cards with positive or negative common connection.

interfast
PLC decoupling
interface
16-relay
interface
Omniconnect and
HE 10/26 product
range



16 N/P relays
1T relay output interface
for solenoid valve control



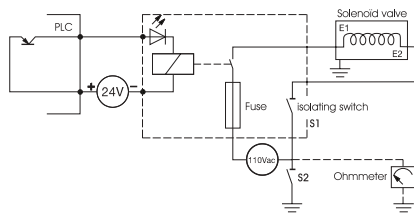
Width : 271 mm 10.66"



Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V. on PLC board power supply.
 Rating 2 A - 250 V. on relay contact.
 - Command indication by green LED.
 - 5 x 20 mm fuse in series with the relay contact which protects the solenoid valve in case of a short circuit.

Wiring diagram

In the automobile industry, 50% of PLC outputs control solenoid valves which work in pairs to control pneumatic or hydraulic cylinders.
 Each solenoid valve is protected by a fuse, equipped with an isolating switch, and is grounded with a green/yellow wire.



If an insulation failure occurs between the solenoid valve's E1 (+) and the ground (coil wire in contact with the frame), the fuse provides short circuit protection. A fault may appear between the solenoid valve's E2 (-) and the ground without disturbing operation.
 To detect these faults, inspection operations are conducted.

Inspection operation:

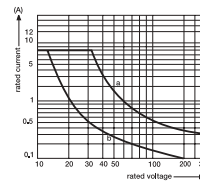
After opening S2, measure the resistance between the circuit and the ground; by successively opening all of the isolating switches S1, the solenoid valve (E2) in contact with ground is detected when the ohmmeter registers a high value.

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RI 16 CEV N/P - 24 V DC Schrack® relay 24V	1SNA 020 931 R1000 1SNA 179 208 R2400

Characteristics

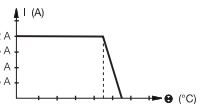
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	
Distribution on the positive side of the contacts		16 A by group of 8
Distribution on the negative side of the EV's		16 A by group of 8
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 51°C
Wire capacity		0 - 2,5 mm ²

Accessories	Type	P/N
Rail EN 50035	2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022	2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022	2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail		PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop	(all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600



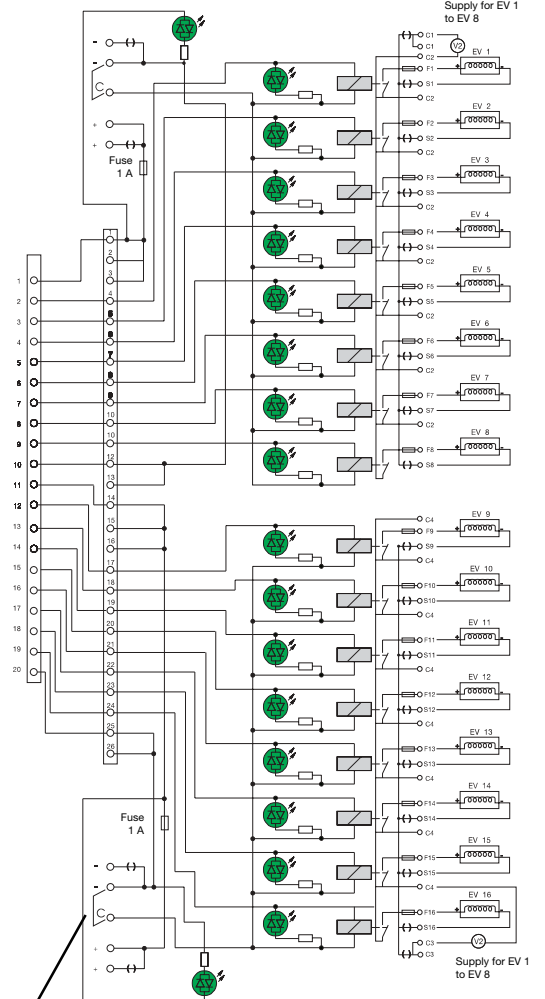
* Load limit for DC
 a : resistance
 b : inductive load,
 L/R = 20 ms

De-rating curve



Wiring diagram

Interface with negative or positive common connection.



Jumper allowing either a common + or a common -
 Delivered connected with a common -
 Interface compatible with automate output cards with positive or negative common connection.

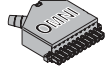
interfast

PLC connector interface

8 channels

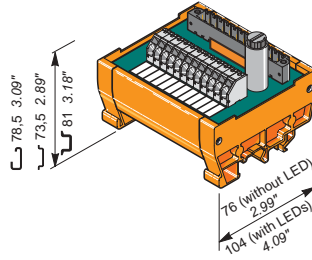
with spring connection

Omniconnect Product range



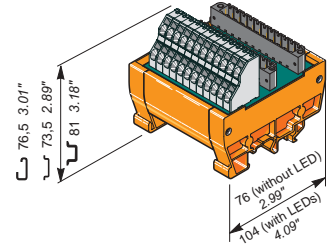
Single-wire interface

Spacing 78 mm 3.07"



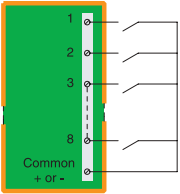
Compact Single-wire interface

Spacing 78 mm 3.07"



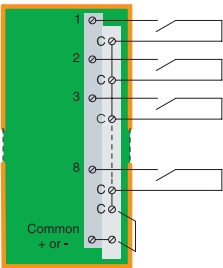
Applications

Single-wire Interface



Single-wire sensors or actuators

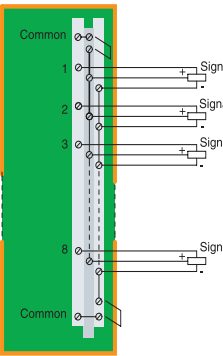
Two-wire Interface



Two-wire sensors or actuators

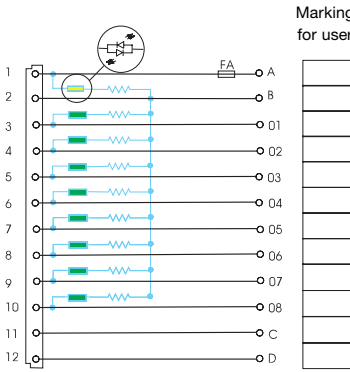
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

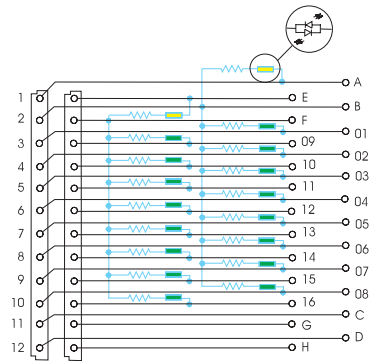


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Blue schematic: products equipped with LED



Blue schematic: products equipped with LED

Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	inch
BFOM-1R-8	1SNA 032 124 R0700	78	3.07
BFOM-1R-8-L	1SNA 032 126 R0100	78	3.07

Type	Part number	mm	inch
BF20M-1R-16	1SNA 032 120 R1700	78	3.07
BF20M-1R-16-L	1SNA 032 122 R0500	78	3.07

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

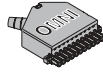
interfast

PLC connector interface

8 channels

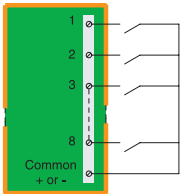
with spring connection

Omniconnect Product range



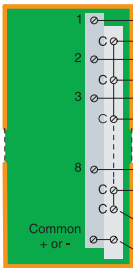
Applications

Single-wire Interface



Single-wire sensors or actuators

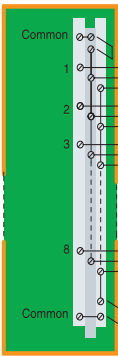
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

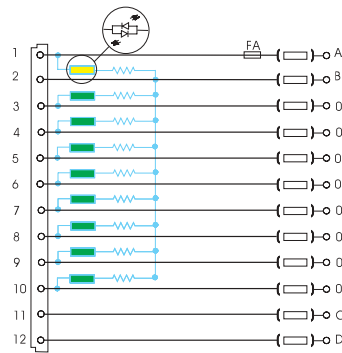
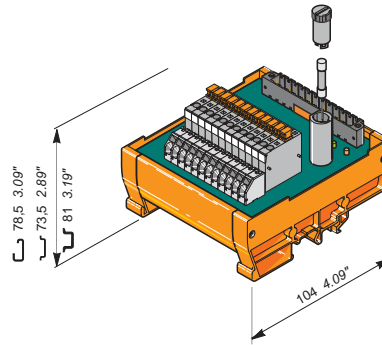


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

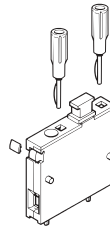
Interruptible interface

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

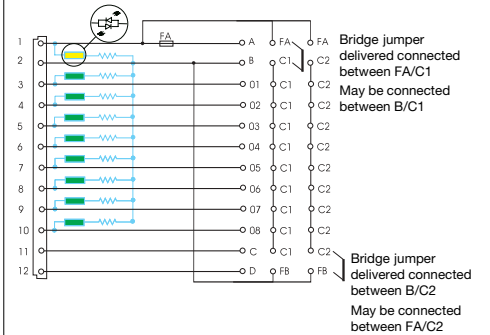
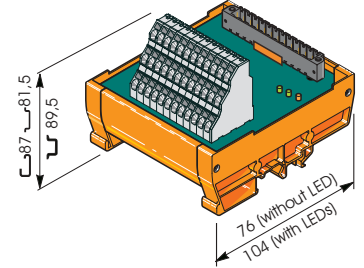
dia. 2mm test plug



2 mm dia. test points on each side of isolator

Three-wire interface with + and - common

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Bridge jumper delivered connected between B/C2
May be connected between FA/C2

Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
8 channels without LED	0	1SNA 032 132 R0700	78	3.07	BFOM-1R-8-S	0	78	3.07
8 channels with LEDs	1	1SNA 032 134 R0100	78	3.07	BFOM-1R-8-T	1	78	3.07
					BFOM-1R-8-TL	0	78	3.07

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

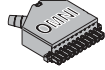
interfast

PLC connector interface

8 channels

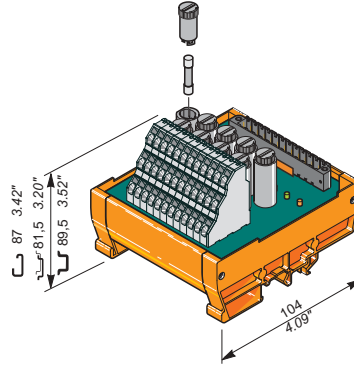
with spring connection

Omniconnect Product range



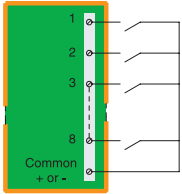
Three-wire interface with + and - common and fuse on each I/O

Spacing 78 mm 3.07"



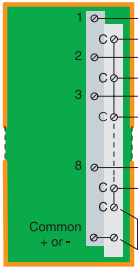
Applications

Single-wire Interface



Single-wire sensors or actuators

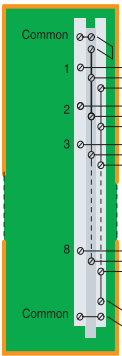
Two-wire Interface



Two-wire sensors or actuators

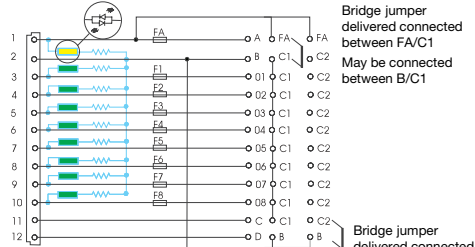
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface



Three-wire sensors

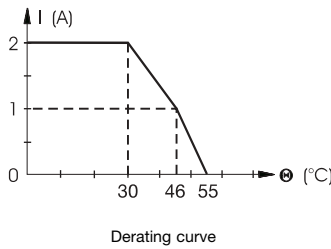
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)



Bridge jumper delivered connected between FA/C1
May be connected between B/C1

Bridge jumper delivered connected between B/C2
May be connected between FA/C2

Blue schematic: products equipped with LED



Part numbers

8 channels without LED	
8 channels with LEDs	

Type	Part number	mm	inch	Type	Part number	mm	inch
BFOM-1R-8-TF	1SNA 032 152 R1300	78	3.07				
BFOM-1R-8-TLF	1SNA 032 154 R1500	78	3.07				

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

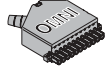
interfast

PLC connector interface

16 channels

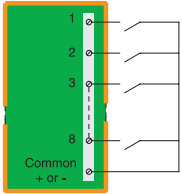
with spring connection

Omniconnect Product range



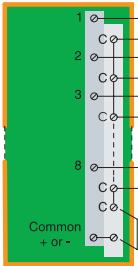
Applications

Single-wire Interface



Single-wire sensors or actuators

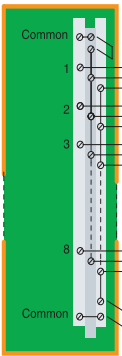
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

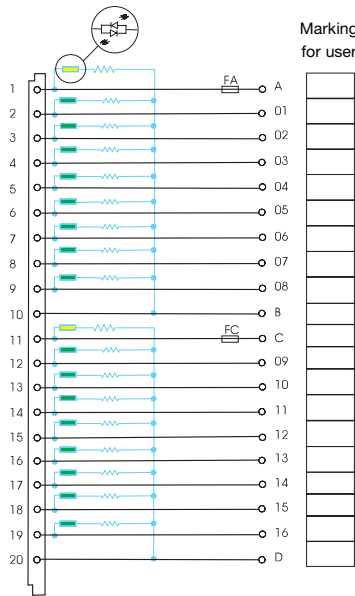
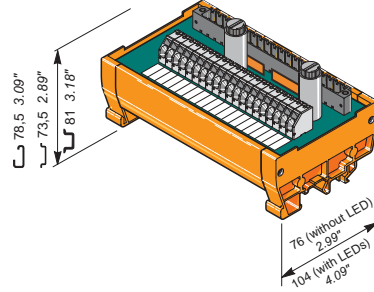


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

Spacing 127 mm 5"

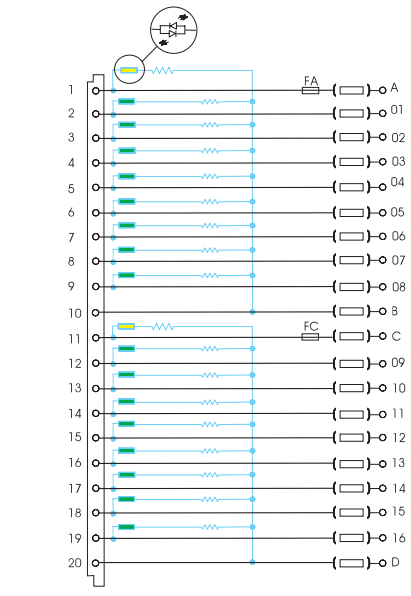
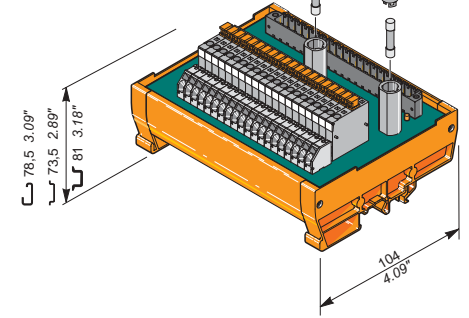


Marking for user

Blue schematic: products equipped with LED

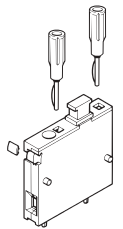
Interruptible interface

Spacing 118 mm 4.65" / 138 mm 5.44"



Blue schematic: products equipped with LED

dia. 2mm test plug



2 mm dia. test points on each side of isolator

Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number	mm	L	inch
BFOM-1R-16	1SNA 032 125 F0000	127		5
BFOM-1R-16-L	1SNA 032 127 F0200	138		5.44

Type	Part number	mm	L	inch
BFOM-1R-16-S	1SNA 032 133 F0000	118		4.65
BFOM-1R-16-SL	1SNA 032 135 F0200	138		5.44

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature		- 20°C to + 55°C		- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector		Omniconnect plug 20 poles		Omniconnect plug 20 poles
Wire capacity		0-2,5 mm ²		0-2,5 mm ²

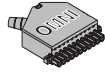
interfast

PLC connector interface

16 channels

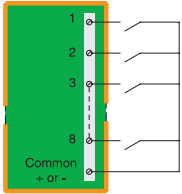
with spring connection

Omniconnect Product range



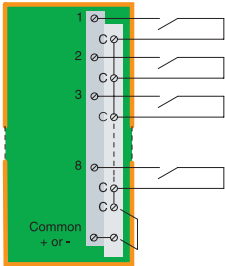
Applications

Single-wire Interface



Single-wire sensors or actuators

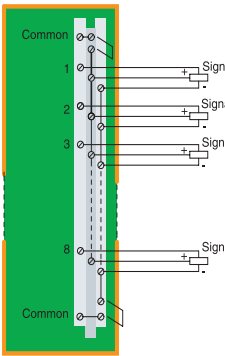
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

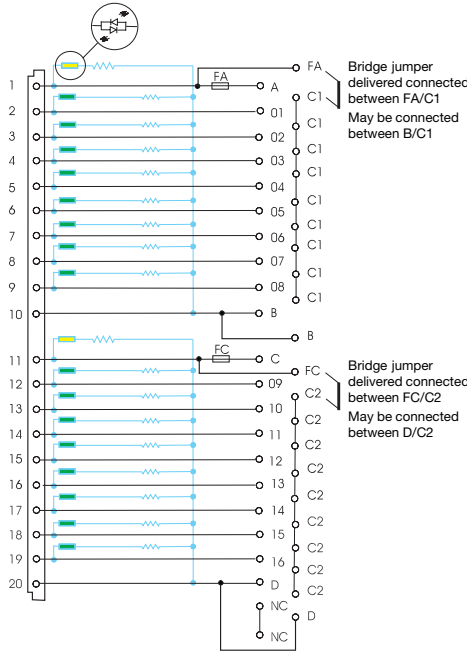
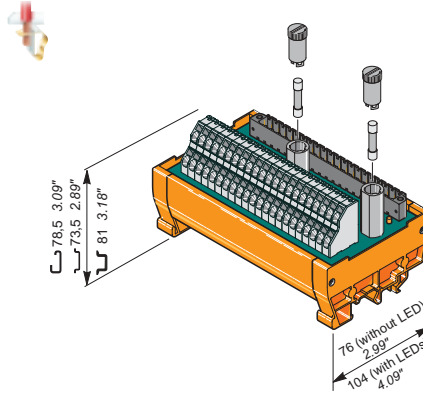


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

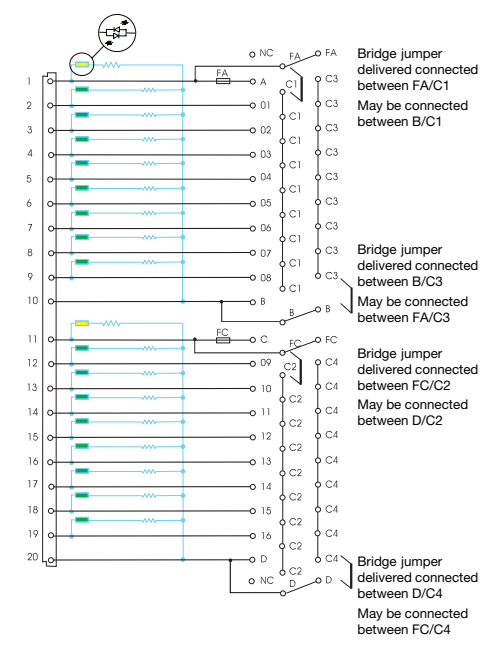
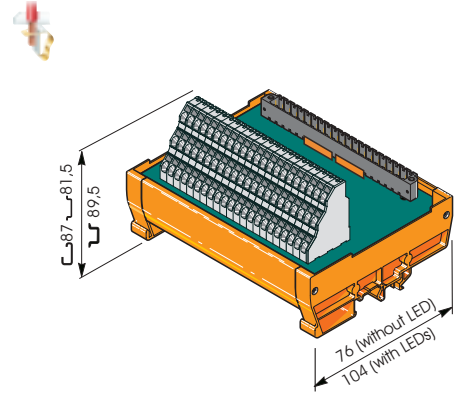
Two-wire interface with choice of + or - common

Spacing 127 mm 5" / 138 mm 5.44"



Three-wire interface with + and - common

Spacing 127 mm 5" / 138 mm 5.44"



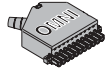
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch	
16 channels without LED	2	1SNA 032 141 R1000	127	5.00	BFOM-1R-16-B	2	1SNA 032 149 R2000	127	5.00
16 channels with LEDs	3	1SNA 032 143 R1200	138	5.44	BFOM-1R-16-BL	3	1SNA 032 151 R1200	138	5.44

Characteristics

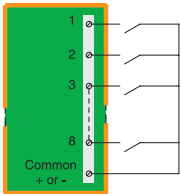
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

interfast
PLC connector interface
16 channels
with spring connection
Omniconnect Product range



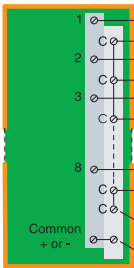
Applications

Single-wire Interface



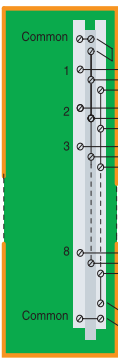
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

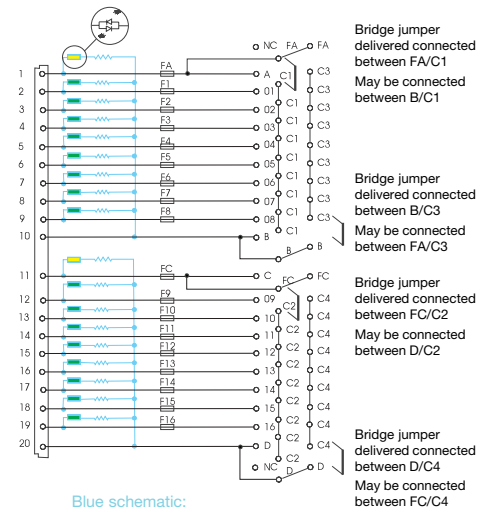
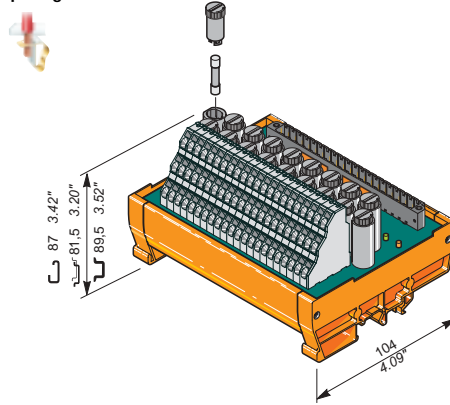
Three-wire Interface



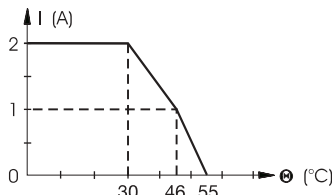
Three-wire sensors
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire interface with + and - common and fuse on each I/O

Spacing 138 mm 5.44"



Blue schematic: products equipped with LED



Part numbers

16 channels without LED	
16 channels with LEDs	

Type	Part number	mm	inch	Type	Part number	mm	inch
BFOM-1R-16-TF	1SNA 032 153 R1400	138	5.44				
BFOM-1R-16-TLF	1SNA 032 155 R1600	138	5.44				

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm ²			

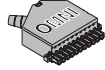
interfast

PLC connector interface

2x16 channels

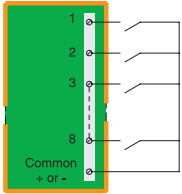
with spring connection

Omniconnect Product range



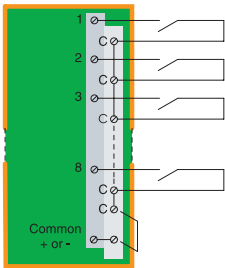
Applications

Single-wire Interface



Single-wire sensors or actuators

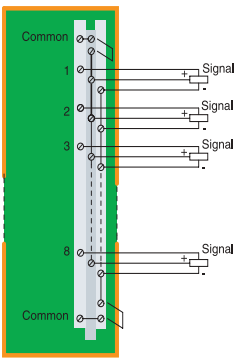
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

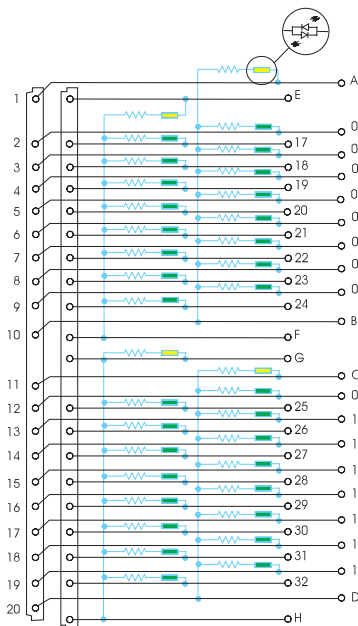
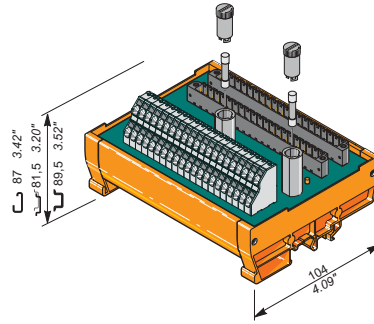


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Single-wire interface

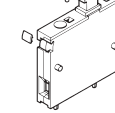
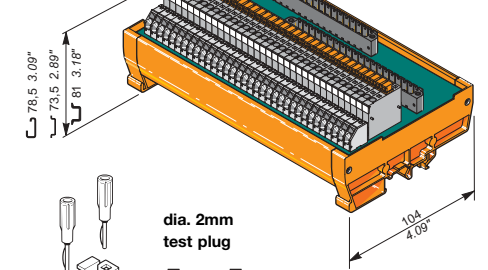
Spacing 118 mm 4.65"



Blue schematic: products equipped with LED

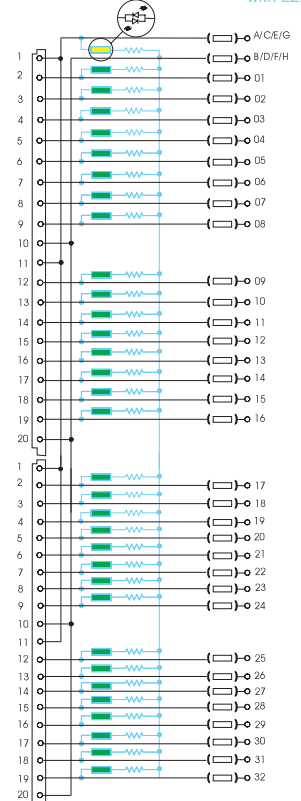
Compact interruptible interface

Spacing



dia. 2mm test plug

Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator

Part numbers

2x16 channels without LED	6
2x16 channels with LEDs	7

Type	Part number	mm	L	inch
BF20M-1R-32	1SNA 032 121 R0400	118	6.65	
BF20M-1R-32-L	1SNA 032 123 R0600	118	4.65	

Type	Part number	mm	L	inch
BF20M-1R-32-S	1SNA 032 197 R0100	180	7.09	
BF20M-1R-32-SL	1SNA 032 195 R0700	180	7.09	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A for 8 channels
Current per LED		5 mA		5 mA
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omniconnect plugs 20 poles		2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

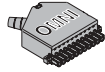
interfast

PLC connector interface

2x16 channels

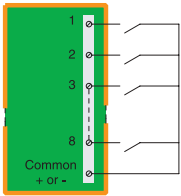
with spring connection

Omniconnect Product range



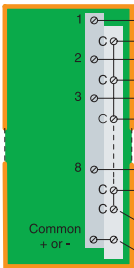
Applications

Single-wire Interface



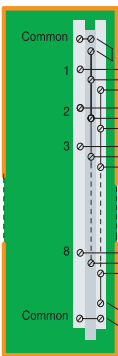
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

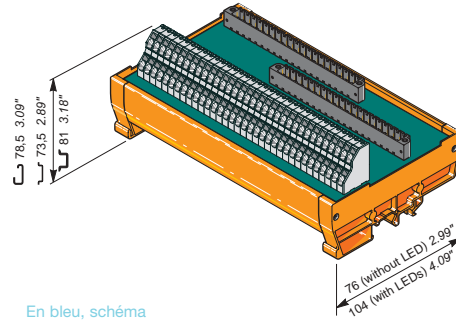
Three-wire Interface



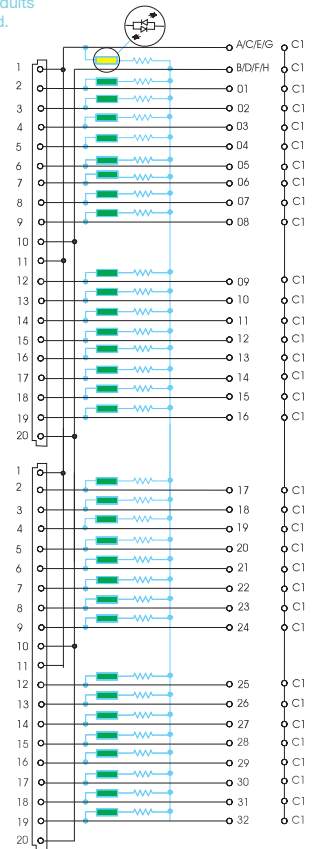
Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Two-wire interface

Spacing 180 mm 7.09"

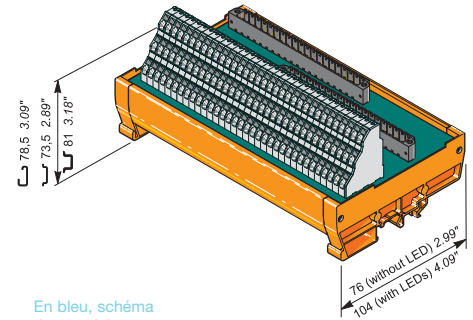


En bleu, schéma des produits avec led.

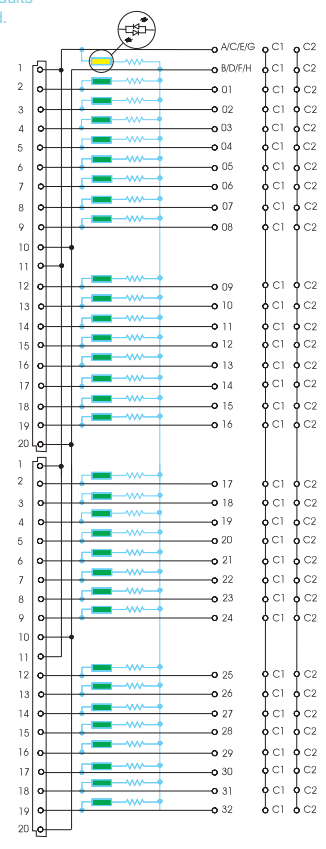


Compact Three-wire interface

Spacing 150 mm 3.07"



En bleu, schéma des produits avec led.



Part numbers

2x16 channels without LED	
2x16 channels with LEDs	

Type	Part number	mm	inch
	1SNA 032 198 R1200	180	7.09
	1SNA 032 193 F0500	180	7.09

Type	Part number	mm	inch
	1SNA 032 196 R0000	180	7.09
	1SNA 032 194 R0600	180	7.09

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED	5 mA		5 mA	
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omniconnect plugs 20 poles		2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

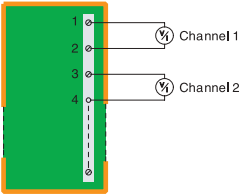
interfast

PLC connector interface with spring connection
Male Sub D product range

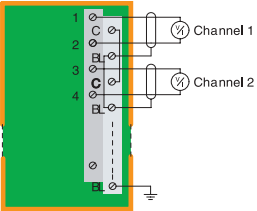


Applications

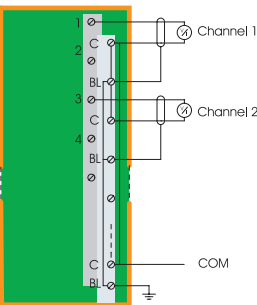
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

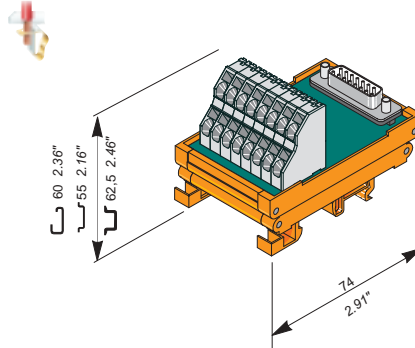


I/O ANA with positive side distribution and shielding connection

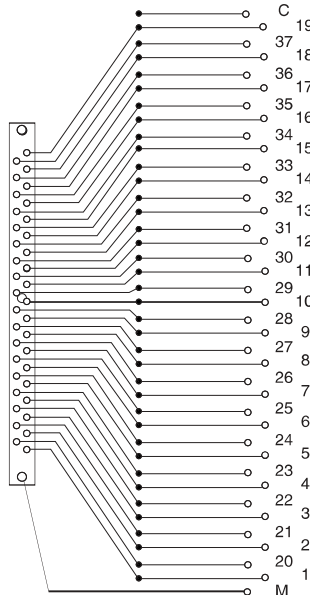


Single-wire interface

Drawing: Male Sub D 15 interface

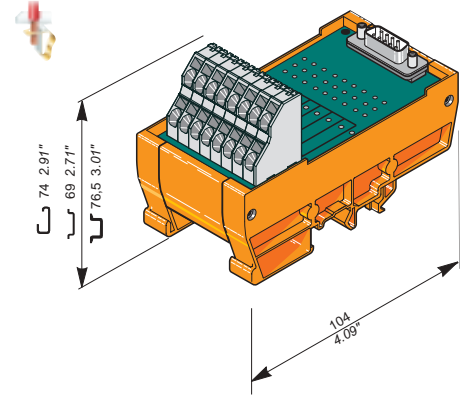


Schematic: Male Sub D 37 interface

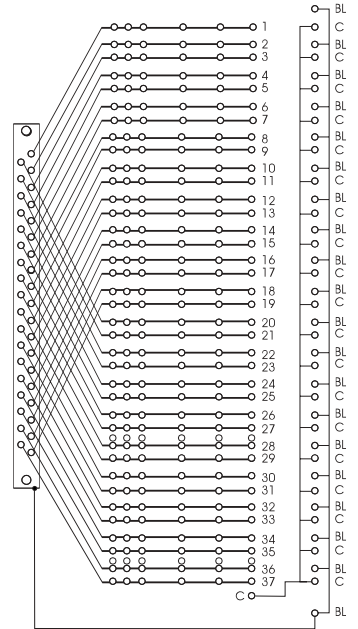


Two-wire interface with a common and common shield

Drawing: Male Sub D 9 interface



Schematic: Male Sub D 37 interface



C = Common
BL = Shielding

Part numbers

	Type	Part number	mm	L inch	Type	Part number	mm	L inch
9 points	BFSUBD9M-1R	1SNA 032 051 R1100	33	1.30	BFSUBD9M-1R-ANA	1SNA 032 156 R1700	55	2.17
15 points	BFSUBD15M-1R	1SNA 032 052 R1200	48,3	1.90	BFSUBD15M-1R-ANA	1SNA 032 157 R1000	90	3.55
25 points	BFSUBD25M-1R	1SNA 032 053 R1300	73,7	2.90	BFSUBD25M-1R-ANA	1SNA 032 158 R2100	138	5.44
37 points	BFSUBD37M-1R	1SNA 032 054 R1400	101,6	4.00	BFSUBD37M-1R-ANA	1SNA 032 159 R2200	197	7.76

Characteristics

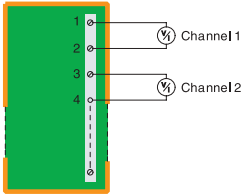
	Without LED	Without LED
Maximum voltage	60 V AC/DC	60 V AC/DC
Maximum current per point	1 A	1 A
Maximum current in common wires		5 A
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	1 kV	0,5 kV
Operating temperature	- 20°C to + 70°C	- 20°C to + 70°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C
Type of connector	1 female SUBD	1 female SUBD
Wire capacity	0-2,5 mm ²	0-2,5 mm ²

interfast PLC connector interface with spring connection Male Sub D product range

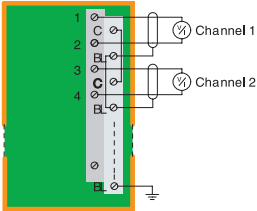


Applications

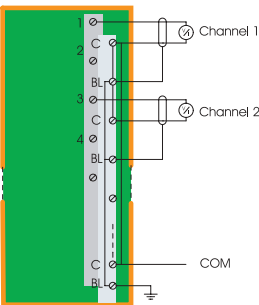
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

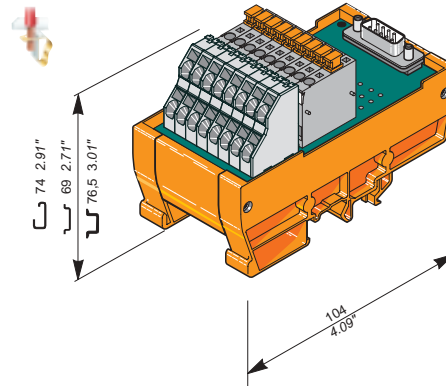


I/O ANA with positive side distribution and shielding connection

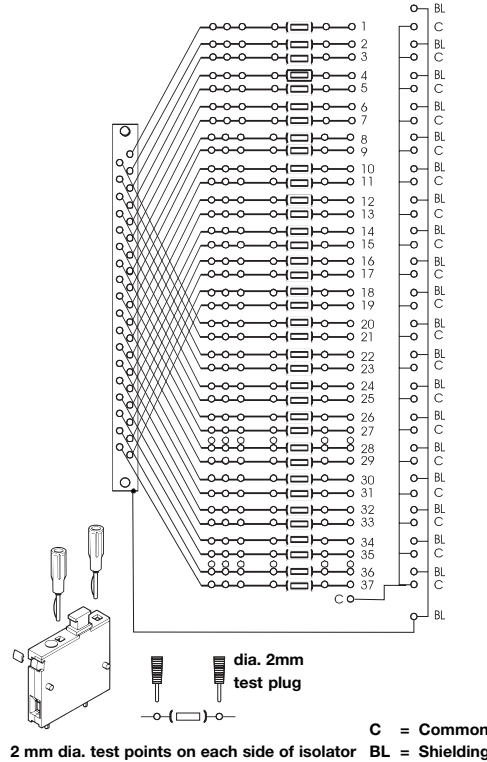


Interruptible interface with a common and common shield

Drawing: Male Sub D 9 interface



Schematic: Male Sub D 37 interface



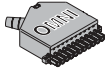
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
9 points	BFSUBD9M-1R-ANA-S	1SNA 032 160 R2700	55	2.17				
15 points	BFSUBD15M-1R-ANA-S	1SNA 032 161 R1400	90	3.55				
25 points	BFSUBD25M-1R-ANA-S	1SNA 032 162 R1500	138	5.44				
37 points	BFSUBD37M-1R-ANA-S	1SNA 032 163 R1600	197	7.76				

Characteristics

	Without LED	Without LED
Maximum voltage	60 V AC/DC	
Maximum current per point	1 A	
Maximum current in common wires	5 A	
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	0,5 kV	
Operating temperature	- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C	
Type of connector	1 female SUBD	
Wire capacity	0-2,5 mm ²	

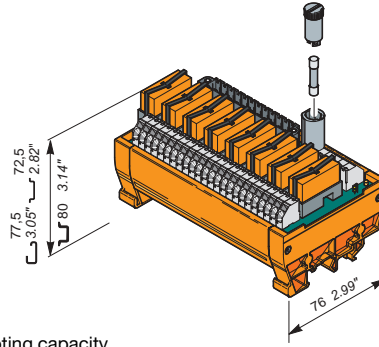
interfast
PLC decoupling
interface
8-relay interface with
spring connection
Omniconnect product
range



Width : 127 mm 5.00"

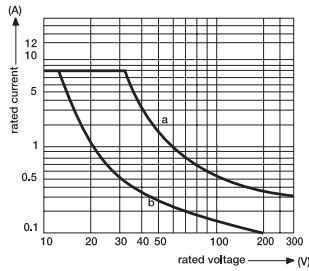


8 N/P relays
1 RT relay output interface

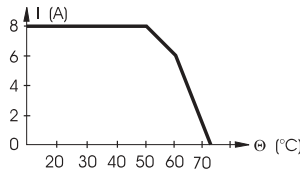


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 821 N/P-1R- 24 VDC	1SNA 032 008 R2700
Schrack® relay 24 V	1SNA 179 208 R2400

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 8 A
Breaking capacity AC1 mini. / max.	5 mVA / 2000 VA
DC1 mini. / max.	5 mW / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed C/O	7 ms / 8 ms
Bounce	1 ms
Isolation Coil / Contact	5 kV
Resistance to shock waves Coil / Contact	10 kV
Isolation Contact / Contact	2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 74°C
Wire capacity	0 - 2,5 mm ²

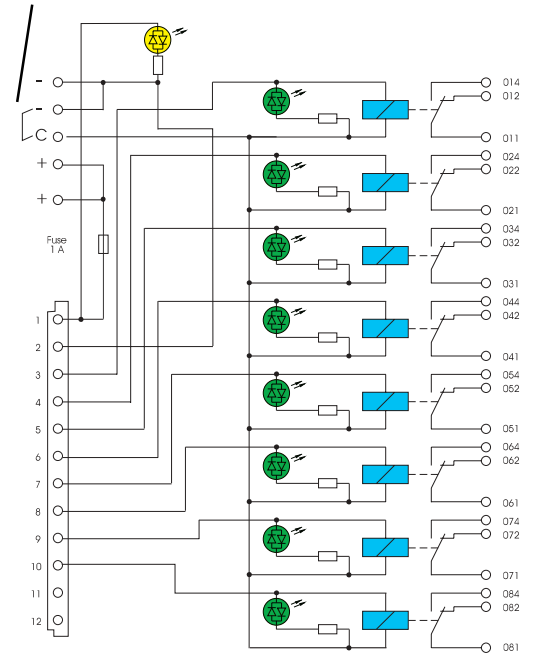
Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails) BAM	th. 9,1 mm 1SNA 103 002 R2600

Wiring diagram

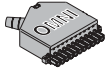
Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.

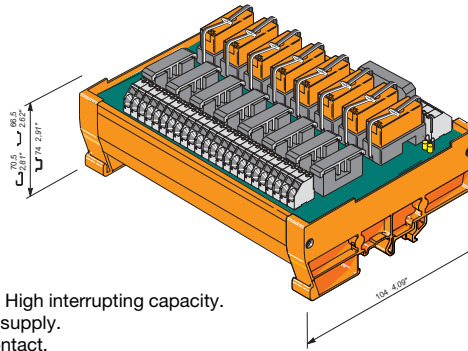
interfast
PLC decoupling
interface
8-relay interface with
spring connection
Omniconnect product
range



Width: 127 mm 5.00"

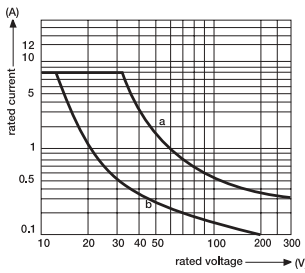


8 N relays
1 RT relay output interface
with fused on common contact

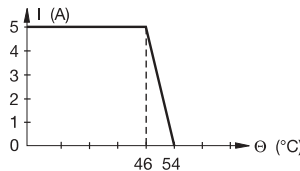


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 1 A - 250 V fuse on PLC power supply.
 5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC
 a : resistance
 b : charge inductive, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 821-1R-F-24	1SNA 032 035 R0100
Schrack® relay 24 V	1SNA 179 208 R2400

Characteristics

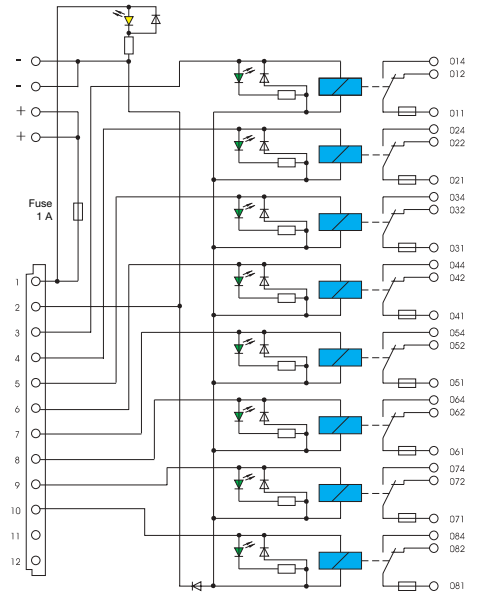
COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 5 A
Breaking capacity AC1 mini. / max.	5 mVA / 1250 VA
DC1 mini. / max.	5 mW / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed C/O	7 ms / 8 ms
Bounce	1 ms
Isolation Coil / Contact	5 kV
Resistance to shock waves Coil / Contact	10 kV
Isolation Contact / Contact	2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature Storage	- 40°C to + 80°C
Operating	- 20°C to + 59°C
Wire capacity	0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2	32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2	35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m PR4	35 x 15 x 2,3 1SNA 168 500 R1200
Rail PR5	35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails) BAM	th. 9,1 mm 1SNA 103 002 R2600

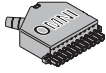
Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

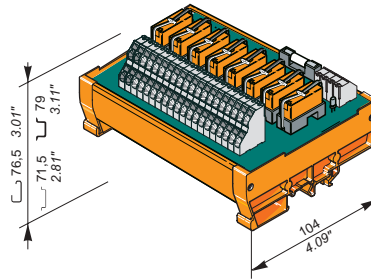
interfast
PLC decoupling
interface
8-relay interface with
spring connection
Omniconnect product
range



Width: 152 mm 5.98"

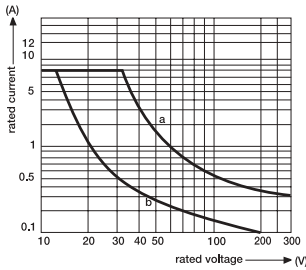


8 N relays
2 RT relay output interface



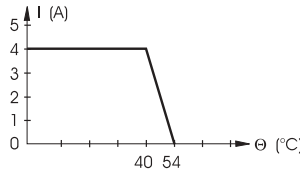
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance A
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI OM 822-1R-24	1SNA 032 036 R0200
Schrack® relay 24 V	1SNA 210 021 R2600

Characteristics

COIL

Rated voltage	+ 20%, - 15%	24 VDC
Rated current		21 mA
Trip voltage		2,4 VDC

CONTACT

Type		2 RT
Voltage mini. / max.		12 V / 250 VAC
Switching current mini. / max.		100 mA / 4 A
Breaking capacity	AC1 mini. / max.	1,2 VA / 1000 VA
	DC1 mini. / max.	1,2 W / see graphs

Max. load		see graph
Number of operations	on load	2 x 10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	9 ms / 12 ms
Bounce		2 ms
Isolation	Coil / Contact	3,5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation	Contact / Contact	2 kV
E.M.C.		Level 4

TEMPERATURE

Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C

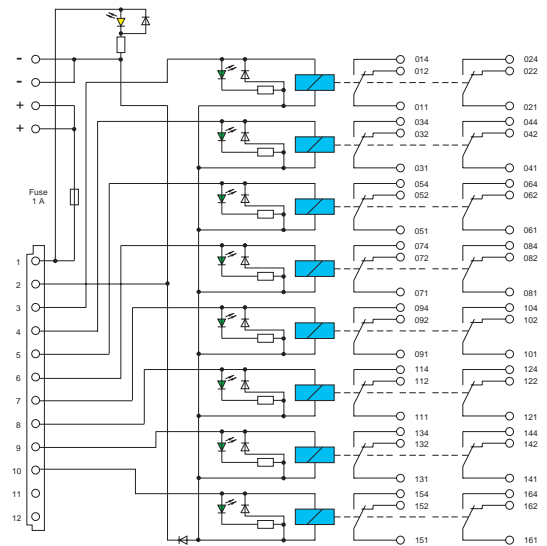
Wire capacity		0 - 2,5 mm ²
---------------	--	-------------------------

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

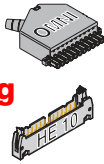
Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

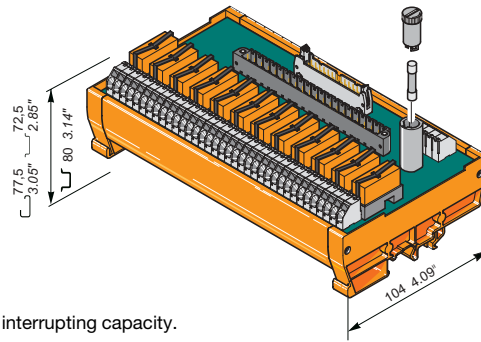
interfast
PLC decoupling
interface
12-relay
interface with spring
connection
Omniconnect and
HE 10/26 product
range



width: 192 mm 7.56"

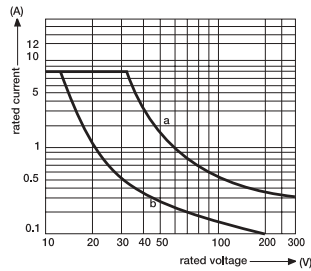


12 N/P relays
1 RT relay output interface



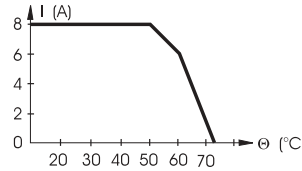
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistanceA
 b : inductive load, L/R = 20 ms

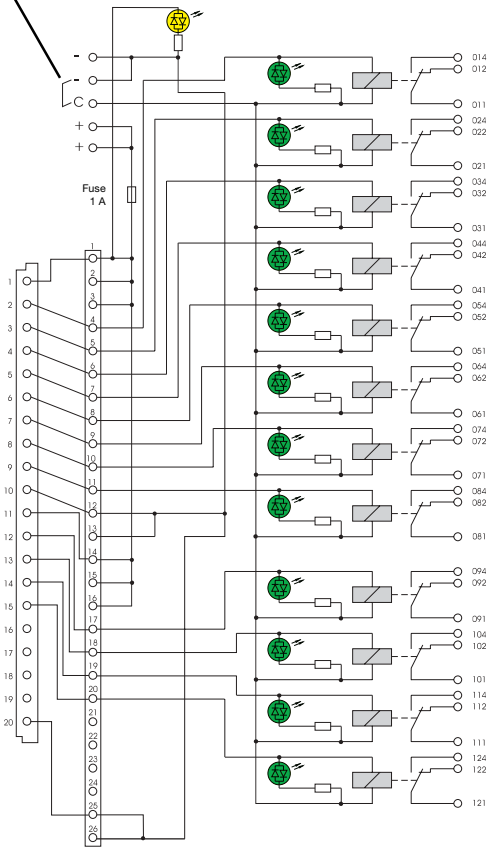


De-rating curve

Wiring diagram

Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RH1221N/P-1R-24 VDC	1SNA 032 007 R1600
Schrack® relay 24 V	1SNA 179 208 R2400

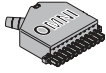
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 mVA / 2000 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
	Resistance to shock waves	10 kV
Isolation	Contact / Contact	2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

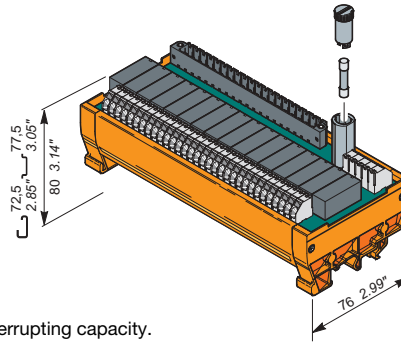
interfast
PLC decoupling
interface
16-relay interface
with spring
connection
Omniconnect product
range



Width 170 mm 6.69"

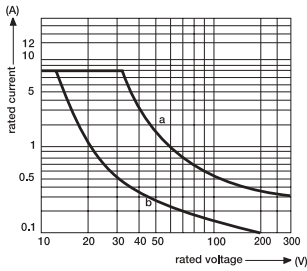


16 N/P relays
1 T relay output interface



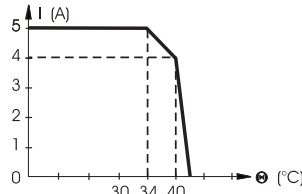
Non removable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

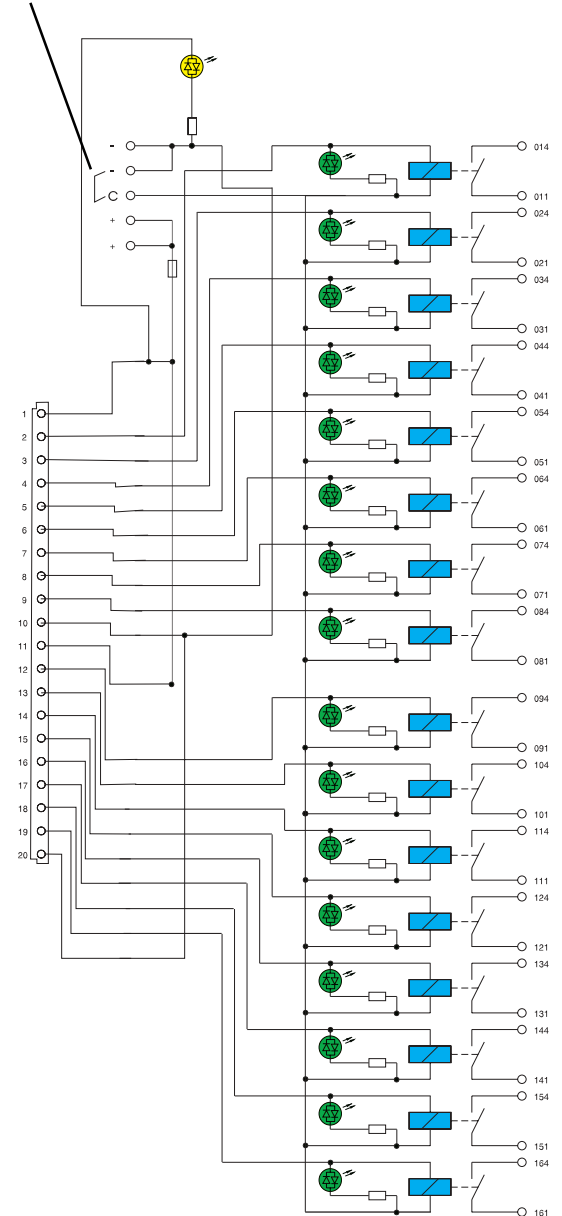
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with non removable relays.

Type	P/N
RI OM 1611-1R-N/P- 24 VDC	1SNA 032 025 R0700

Characteristics

COIL

Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
Power		0,36 W

CONTACT

Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	5 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
	Contact / Contact	1,5 kV

TEMPERATURE

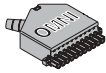
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 42°C

Wire capacity 0 - 2,5 mm²

Accessories

Type	P/N
Rail EN 50035 2 m PR1.Z2 32 x 15	1SNA 163 050 R0400
Rail EN 50022 2 m PR3.Z2 35 x 7,5 x 1	1SNA 174 300 R1700
Rail EN 50022 2 m PR4 35 x 15 x 2,3	1SNA 168 500 R1200
Rail PR5 35 x 15 x 1,5	1SNA 168 700 R2200
End stop (all rails) BAM th. 9,1 mm	1SNA 103 002 R2600

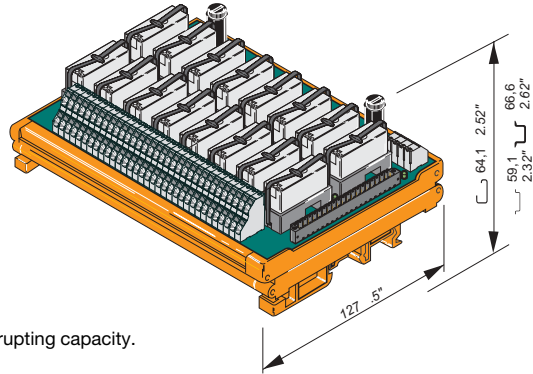
interfast
PLC decoupling
interface
16-relay interface
with spring
connection
Omniconnect product
range



Width : 165 mm 6.49"

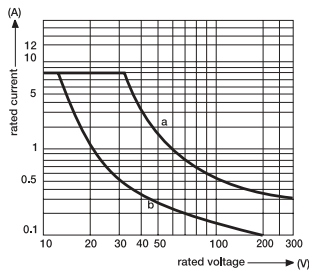


16 N/P relays
Compact
1 RT relay output interface



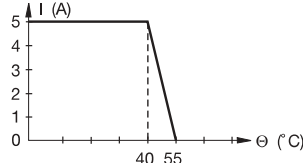
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

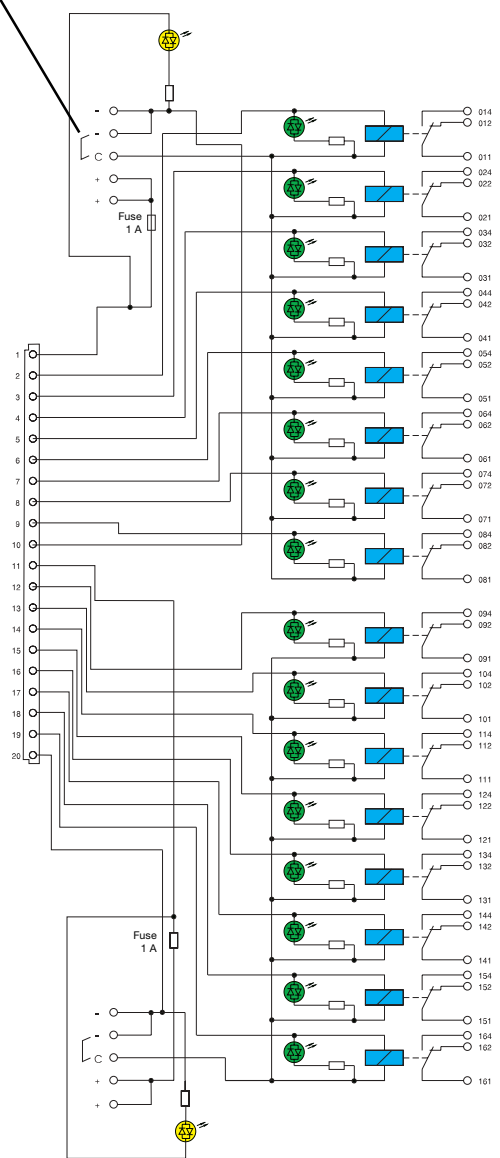
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RICOM 1621 N/P-1R-24	1SNA 032 014 R0400
Schrack® relay 24V	1SNA 179 208 R2400

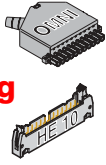
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm ²

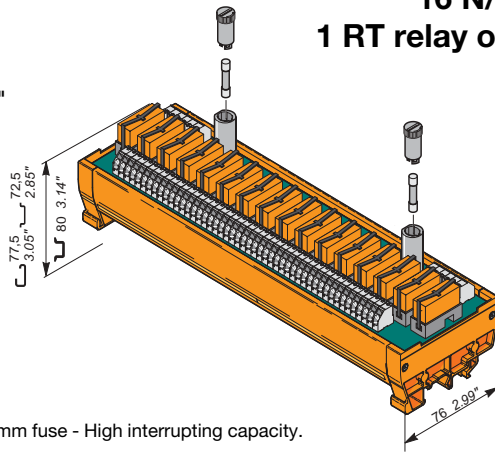
Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

interfast
PLC decoupling
interface
16-relay
interface with spring
connection
Omniconnect product
range
HE 10/26 product
range



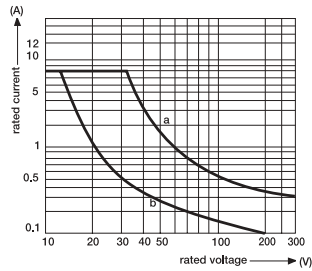
Width: 252 mm 9.92"



16 N/P relays
1 RT relay output interface

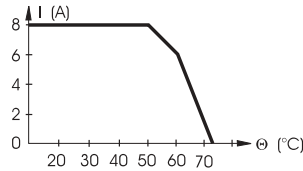
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RIOM1621N/P-1R-24 VDC	1SNA 032 006 R1500
Schrack® relay 24V	1SNA 179 208 R2400

Characteristics

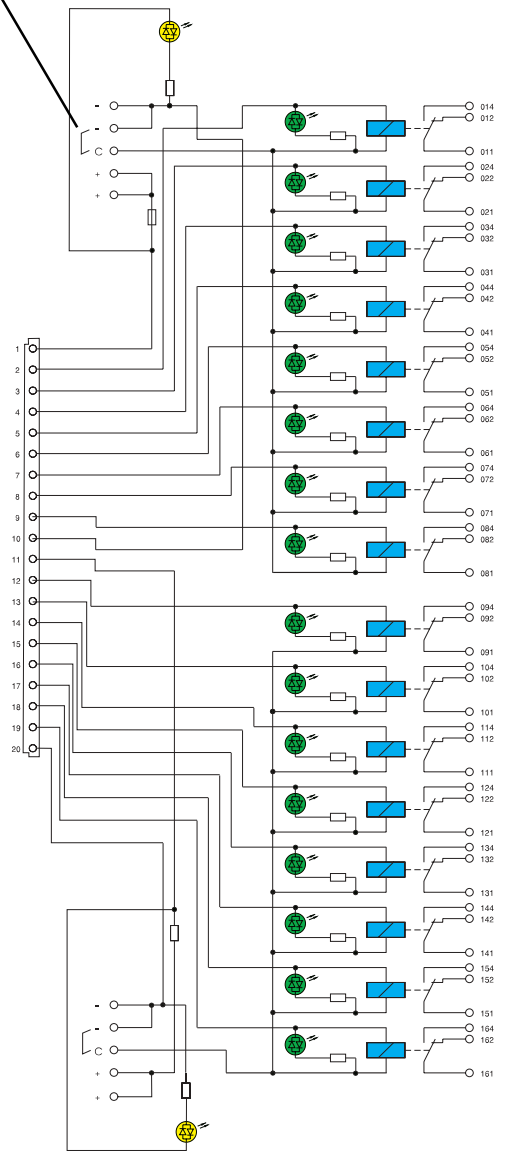
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	2,5 kV
TEMPERATURE		
Ambient temperature	storage	- 40°C to + 80°C
	operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

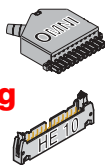
Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

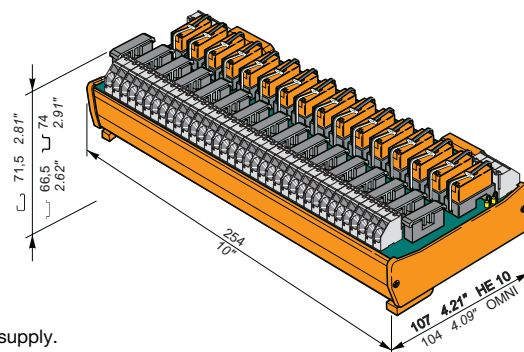
interfast
PLC decoupling
interface
16-relay
interface with spring
connection
Omniconnect product
range
HE 10/26 product
range



Width: 254 mm 10.0"

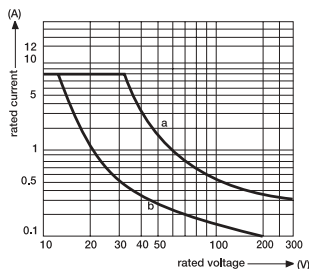


16 N/P relays
1 RT relay output interface
with fused on common contact



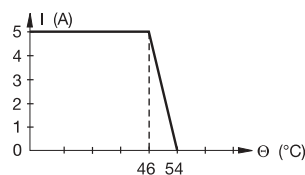
Pluggable relay.
 Delivered with 5 x 20 mm fuse.
 1 A - 250 V fuse on PLC power supply.
 5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

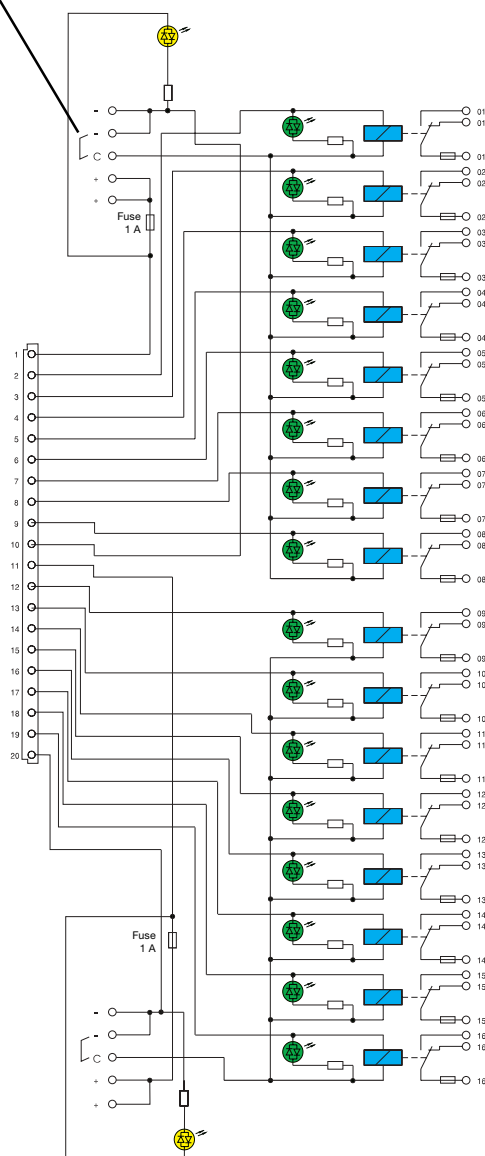
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 1621 N/P-1R-F-24	1SNA 032 028 R1200
Schrack® relay 24 V	1SNA 179 208 R2400

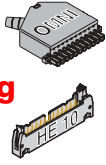
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed		7 ms / 8 ms
Bounce		1 ms
Isolation	Coil / Contact	5 kV
Resistance to shock waves	Coil / Contact	
Isolation	Contact / Contact	2,5 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 59°C
Wire capacity		0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

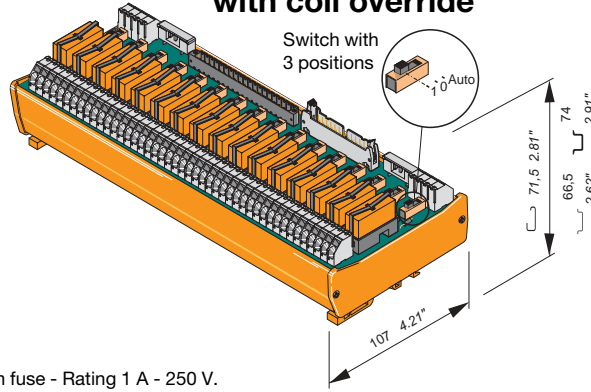
interfast
PLC decoupling
interface
16-relay
interface with spring
connection
Omniconnect and
HE 10/26 product
range



Width: 252 mm 9.92"

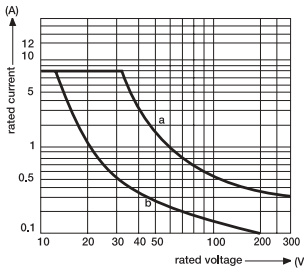


16 N/P relays
1 RT relay output interface
with coil override



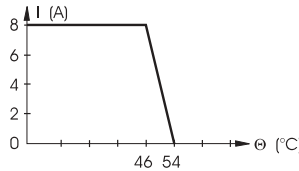
Pluggable relay.
 Delivered with 5 x 20 mm fuse - Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

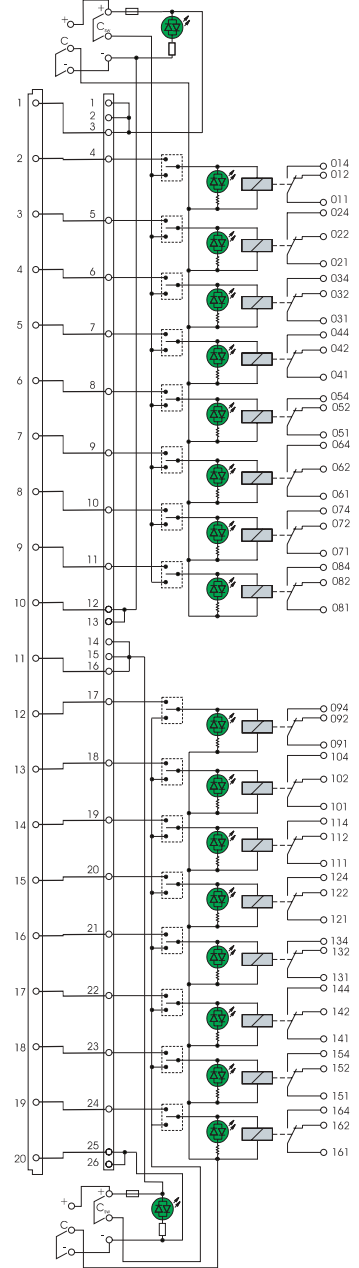
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1621 N/P-1R-SW-24	1SNA 032 034 R0000
Schrack® relay 24 V	1SNA 179 208 R2400

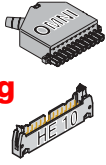
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini./max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity AC1 mini. / max.		5 m VA / 2000 VA
DC1 mini. / max.		5 m W / see graphs
Max. load		see graph
Number of operations on load		10 ⁵
Number of operations off load		30 x 10 ⁶
Operating speed C		7 ms
O		8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves Coil / Contact		
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature Storage		- 40°C to + 80°C
Operating		- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

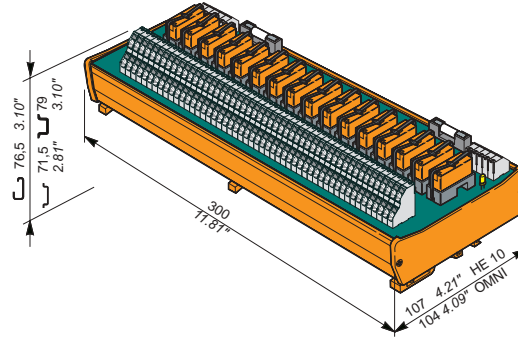
Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

interfast
PLC decoupling
interface
16-relay
interface with spring
connection
Omniconnect and
HE 10/26 product
range



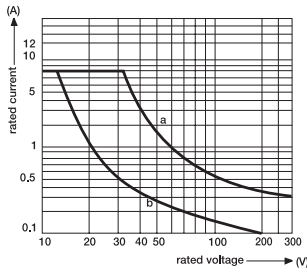
16 N/P relays
2 RT N/P 16-relay output interface

Width: 300 mm 11.81"



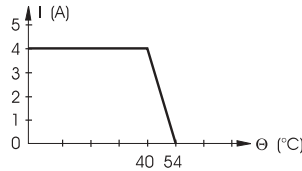
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1622 N/P-1R-24	1SNA 032 029 R1300
Schrack® relay 24 V	1SNA 210 021 R2600

Characteristics

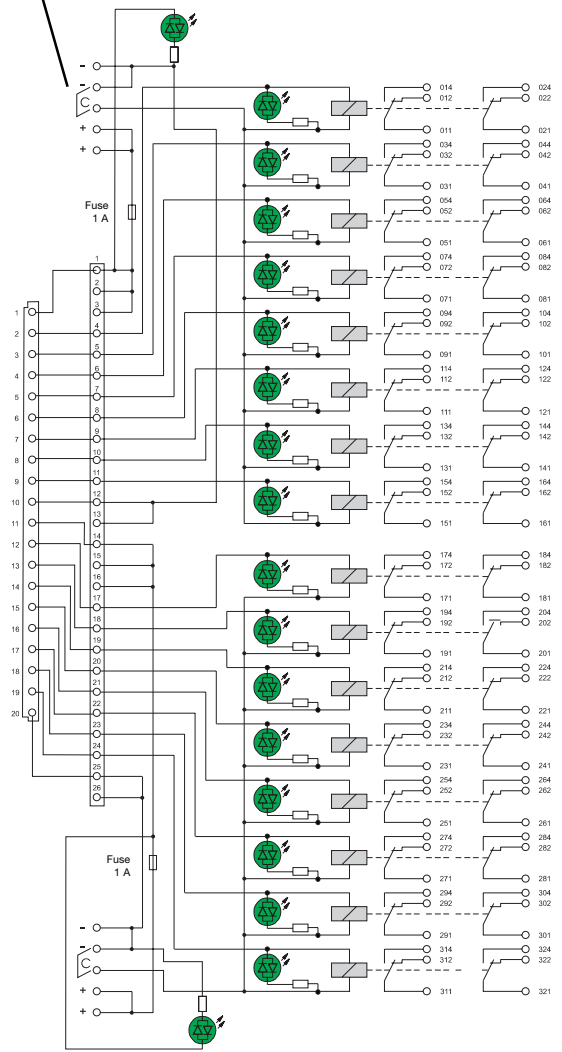
COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	21 mA
Trip voltage	2,4 VDC
CONTACT	
Type	2 RT
Voltage mini./max.	12 V / 250 VAC
Switching current mini. / max.	100 mA / 4 A
Breaking capacity	AC1 mini. / max. 1,2 VA / 1000 VA
	DC1 mini. / max. 1,2 W / see graphs
Max. load	see graph
Number of operations	on load 2 x 10 ⁵
	off load 30 x 10 ⁶
Operating speed	C/O 9 ms / 12 ms
Bounce	2 ms
Isolation	Coil / Contact 3,5 kV
	Resistance to shock waves Coil / Contact 10 kV
	Isolation Contact / Contact 2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 54°C
Wire capacity	0 - 2,5 mm ²

Accessories

Type	P/N
Rail EN 50035 2 m	PR1.Z2 32 x 15 1SNA 163 050 R0400
Rail EN 50022 2 m	PR3.Z2 35 x 7,5 x 1 1SNA 174 300 R1700
Rail EN 50022 2 m	PR4 35 x 15 x 2,3 1SNA 168 500 R1200
Rail	PR5 35 x 15 x 1,5 1SNA 168 700 R2200
End stop (all rails)	BAM th. 9,1 mm 1SNA 103 002 R2600

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.



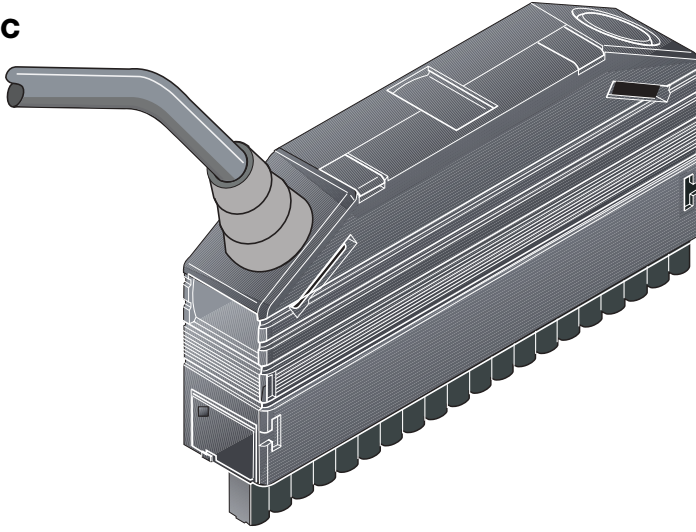
Interfast Terminal blocks

Summary

D1 - Terminal blocks	200
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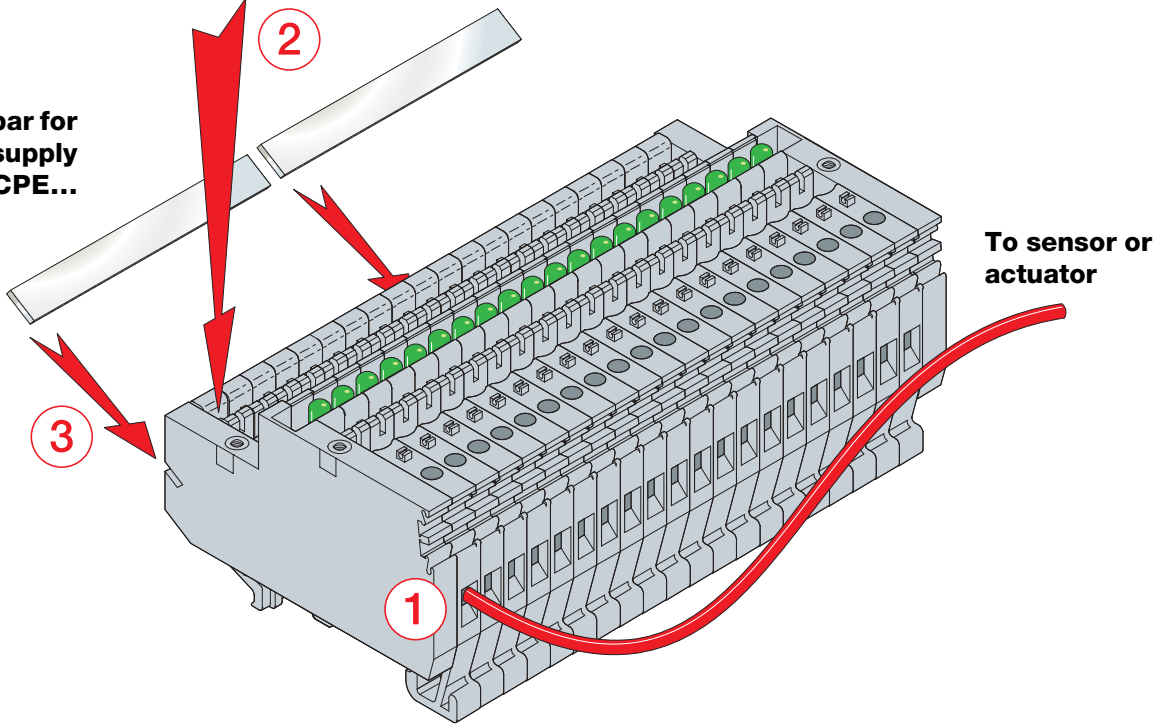
Connection of the assemblies

To PLC



2

Comb-type jumper bar for
Led blocks power supply
using MA 2,5/5-2CPE...
blocks



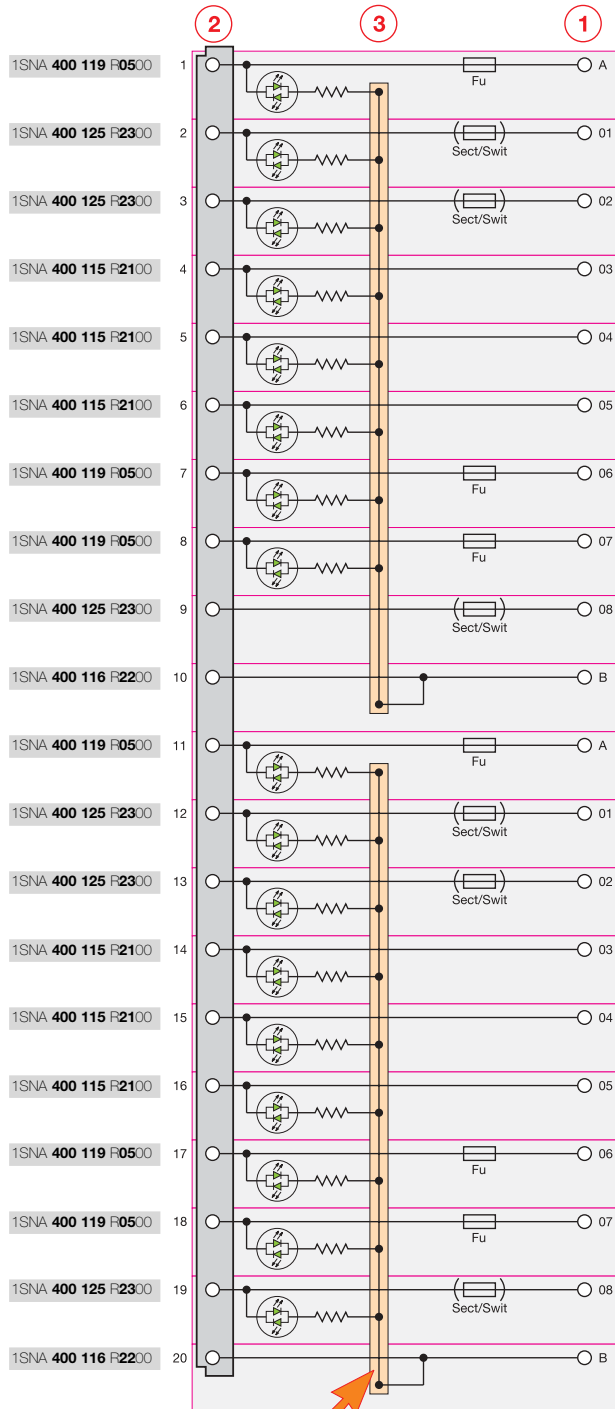
To sensor or
actuator

**Standard pre-wired assemblies
Ask for our «Interfast» catalog.**

**Assemblies made on request,
consult us.**

Applications

Omniconnect connector to PLC



Leds commons through BO Ø5 bus bar

Terminal blocks with removable connector
 - Feed through
 - Double deck
 - Heavy duty switch with blade
 - With plug fuse holder
 - compression clamp
 DIN 1-3

Mounting on rail DIN 1 and 3, possibility to connect 1 or 2 5,08 mm plugs. Bus bar for Led supply.

End stop		th. 9 mm	BADL	V0	1SNA 399 903 R0200
End stop		th. 9,1 mm	BAM	V2	1SNA 103 002 R2600
End stop		th. 9,1 mm	BAM V0	V0	1SNA 199 306 F0300
Rail		35 x 7,5 x 1	PR3.Z2		1SNA 174 300 R1700
Rail		35 x 15 x 2,3	PR4		1SNA 168 500 R1200
Rail		35 x 15 x 1,5	PR5		1SNA 168 700 R2200
Rail		32 x 15 x 1,5	PR1.Z2		1SNA 163 050 F0400

MA 2,5/5.CPE...
Spacing 5.08 mm .200"

MA 2,5/5.CPE : standard block.
 MA 2,5/5-CPE-L24BD : block equipped with 24 V - 4,8 mA green bidirectional LED.
 MA 2,5/5-CPE-AB : block equipped with a zero value resistor for bidirectional leds power supply.

MA 2,5/5.2CPE...
Spacing 5.08 mm .200"

MA 2,5/5.2CPE : standard block.
 MA 2,5/5.2CPE-Pb : block equipped only with a low pin for use with switch or fuse holder block.
 MA 2,5/5-2CPE.1-L24BD.....: block equipped with 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5D2.2CPE...
Spacing 5.08 mm .200"

MA 2,5/5D2.2CPE : double deck blocks with 2 independent levels.
 MA 2,5/5D2-2CPE.1-L24BD : double deck blocks with 24 V - 4,8 mA green bidirectional LED on each level.
 MA 2,5/5D2-2CPE.1-1L24BD : double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level. The bottom level allow polarity distribution.
 MA 2,5/5D2-2CPE.1-AB : block equipped with a zero value resistor for bidirectional leds power supply.
 MA 2,5/5D2-2CPE.1-AB/1 : block equipped with a zero value resistor for bidirectional leds power supply on the top level. The bottom level allow polarity distribution.

MA 2,5/5.SNB...-CPE
Spacing 5.08 mm .200"

MA 2,5/5-SNB-CPE : standard block. Heavy duty switch with black blade.
 MA 2,5/5-SNB-CPE-L24BD : block equipped with 24 V - 4,8 mA green bidirectional LED. Heavy duty switch with black blade.
 MA 2,5/5-SNB-CPE-AB : block equipped with a zero value resistor for bidirectional leds power supply. Heavy duty switch with black blade.

	Type	P/N	Type	P/N	Type	P/N	Type	P/N	
Standard blocks	ABB V0 grey body	MA 2,5/5.CPE	1SNA 400 107 R0200	MA 2,5/5.2CPE	1SNA 400 127 R2500	MA 2,5/5D2.2CPE	1SNA 400 106 R0100	MA 2,5/5.SNB-CPE	1SNA 400 128 R0600
LED blocks	ABB V0 grey body	MA 2,5/5.CPE.1-L24BD	1SNA 400 113 R2700	MA 2,5/5.2CPE.1-L24BD	1SNA 400 115 R2100	MA 2,5/5D2.2CPE.1-L24BD	1SNA 400 121 R2700	MA 2,5/5.SNB-CPE-L24BD	1SNA 400 125 R2300
LED blocks	ABB V0 grey body					MA 2,5/5D2.2CPE.1-1L24BD	1SNA 400 123 R2100	MA 2,5/5.SNB-CPE-AB	1SNA 400 126 R2400
Power supply blocks	ABB V0 grey body	MA 2,5/5.CPE-AB	1SNA 400 114 R2000	MA 2,5/5.2CPE.1-AB	1SNA 400 116 R2200	MA 2,5/5D2.2CPE.1-AB	1SNA 400 122 R2000		
Power supply blocks	ABB V0 grey body					MA 2,5/5D2.2CPE.1-AB/1	1SNA 400 124 R2200		

Characteristics

	IEC	UL		CSA		IEC	UL		CSA		IEC	UL		CSA	
		UL	CSA	UL	CSA		UL	CSA	UL	CSA					
Wire size mm ² / AWG	Solid wire Stranded wire	0.2 - 4 0.22 - 2.5	24-12AWG	24-12AWG		0.2 - 4 0.22 - 2.5	24-12AWG	24-12AWG			0.2 - 4 0.22 - 2.5	24-12AWG	24-12AWG		
Rated voltage	V AC ~ / = DC	320 (3)	300	300		320	300	300			320 (3)	300	300		
Rated current	A	24/12+12	20/10+10	20/10+10		12	10	10			12/12	10/10	10/10		
Rated wire size	mm ² / AWG	2.5 mm ²	12 AWG	12 AWG		2.5 mm ²	12 AWG	12 AWG			2.5 mm ²	12 AWG	12 AWG		
Wire stripping length	mm / inches	8.5 mm / .33"				10 mm / .394"				10 mm / .394"					
Recommended torque	Nm / lb.in.	0.4-0.6 Nm / 3.5-5.3 lb.in.				0.4-0.6 Nm / 3.5-5.3 lb.in.				0.4-0.6 Nm / 3.5-5.3 lb.in.					

Accessories

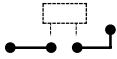
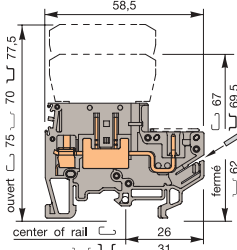
	Type	P/N	Type	P/N	Type	P/N	Type	P/N
	1 End section	grey blue	FEM6 th. 2.8 1SNA 118 368 R1600 FEM6 th. 2.8 1SNA 128 368 R1000	FE2CPE th. 2.8 1SNA 215 038 R2000	FEDCP th. 2.8 1SNA 215 071 R2100	FE2CPE th. 2.8 1SNA 215 038 R2000		
	2 Separator end section (block)	grey	SCF6 th. 3 1SNA 118 707 R0300					
	3 Separator end section (rail)	grey	SCFM6 th. 3 1SNA 114 825 R0500 SCFEX1 th. 2.4 1SNA 103 619 R0400 SCFEX3 th. 2.4 1SNA 103 620 R0100					
	4 Test socket	DIA. 2 mm	AL2 (1)(2) 1SNA 163 046 R2400	AL2 (1)(2) 1SNA 163 046 R2400	AL2 (1)(2) 1SNA 163 046 R2400			
	5 Test device		DCB blue 1SNA 105 028 R2100	DCB blue 1SNA 105 028 R2100	DCB blue 1SNA 105 028 R2100	DCB blue 1SNA 105 028 R2100		
	6 Test plug	DIA. 2 mm	FC2 1SNA 007 865 R2600	FC2 1SNA 007 865 R2600	FC2 1SNA 007 865 R2600	FC2 1SNA 007 865 R2600		
	7 Preassembled jumper bar IP 20 touchproof	2 poles 3 poles 4 poles 5 poles 10 poles	BJM5 (1)(2) 1SNA 176 278 R1600 BJM5 (1)(2) 1SNA 176 279 R1700 BJM5 (1)(2) 1SNA 176 280 R0500 BJM5 (1)(2) 1SNA 176 281 R2200 BJM5 (1)(2) 1SNA 176 282 R2300	BJM5 (1)(2) 1SNA 176 278 R1600 BJM5 (1)(2) 1SNA 176 279 R1700 BJM5 (1)(2) 1SNA 176 280 R0500 BJM5 (1)(2) 1SNA 176 281 R2200 BJM5 (1)(2) 1SNA 176 282 R2300	BJM5 (1)(2) 1SNA 176 278 R1600 BJM5 (1)(2) 1SNA 176 279 R1700 BJM5 (1)(2) 1SNA 176 280 R0500 BJM5 (1)(2) 1SNA 176 281 R2200 BJM5 (1)(2) 1SNA 176 282 R2300	BJM5 (1)(2) 1SNA 176 278 R1600 BJM5 (1)(2) 1SNA 176 279 R1700 BJM5 (1)(2) 1SNA 176 280 R0500 BJM5 (1)(2) 1SNA 176 281 R2200 BJM5 (1)(2) 1SNA 176 282 R2300		
	8 Jumper bar not preassembled	Post + screw + washer	BJS5,08(1)(2) 24 poles 1SNA 177 872 R2300 EV5 1SNA 168 629 R1600	BJS5,08(1)(2) 24 poles 1SNA 177 872 R2300 EV5 1SNA 168 629 R1600	BJS5,08(1)(2) 24 poles 1SNA 177 872 R2300 EV5 1SNA 168 629 R1600	BJS5,08(1)(2) 24 poles 1SNA 177 872 R2300 EV5 1SNA 168 629 R1600		
	9 Connector plate		EL6 1SNA 173 627 R2100	EL6 1SNA 173 627 R2100	EL6 1SNA 173 627 R2100	EL6 1SNA 173 627 R2100		
	10 Comb-type jumper bar	2 poles 10 poles	PC5 1SNA 113 542 R1000 PC5 1SNA 113 544 R1200	PC5 1SNA 113 542 R1000 PC5 1SNA 113 544 R1200	PC5 1SNA 113 542 R1000 PC5 1SNA 113 544 R1200	PC5 1SNA 113 542 R1000 PC5 1SNA 113 544 R1200		
	11 Shielding connector		EIP 1SNA 113 550 R2400 CBM5 th. 0.5 1SNA 178 745 R1400 CBM8 th. 0.8 1SNA 178 746 R1500	EIP 1SNA 113 550 R2400	EIP 1SNA 113 550 R2400	EIP 1SNA 113 550 R2400		
	12 Blocking peg		COCF 32 1SNA 173 660 R1600	COCF 32 1SNA 173 660 R1600	COCF 32 1SNA 173 660 R1600	COCF 32 1SNA 173 660 R1600		
	13 Detachable protection strips		CPF 5,08 10 poles 1SNA 199 323 R2300	CPF 5,08 10 poles 1SNA 199 323 R2300	CPF 5,08 10 poles 1SNA 199 323 R2300	CPF 5,08 10 poles 1SNA 199 323 R2300		
	14 End section-flange kit (R+L)		FE-BCP th. 5.08 1SNA 400 094 R2000	FE1BCP th. 5.08 1SNA 400 100 R1700	FEDBCP th. 5.08 1SNA 400 091 R2500	FE1BCP th. 5.08 1SNA 400 100 R1700		
	15 Busbar for LED common		BO05 length 500 1SNA 177 849 R0400	BO05 length 500 1SNA 177 849 R0400	BO05 length 500 1SNA 177 849 R0400	BO05 length 500 1SNA 177 849 R0400		
	16 Coding peg Nr 1							
	17 Plug fuse holder							
	18 Fuse							
	R See markers section		RC510	RC510	RC510	RC510		

Other accessories see section accessories

(1) SC or FE is required with the use of these accessories to isolate each circuit or for a voltage > to 250 V. (2) Use of these accessories requires the cut-out of the block body (precut) for blocks MA 2,5/51. (3) Working voltage : according to Led.

MA 2,5/5-SB-CPE

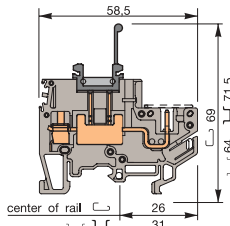
Spacing 5.08 mm .200"



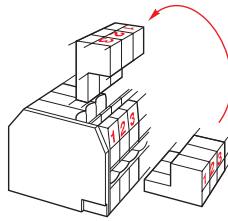
MA 2,5/5-SB-CPE : switch block with polarized plug (delivered separately).

MA 2,5/5-SFA...-CPE

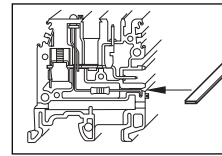
Spacing 5.08 mm .200"



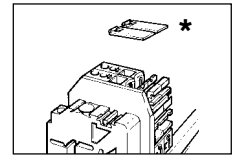
MA 2,5/5-SFA-CPE : switching block with fuse holder for Automotive Mini Fuse.
 MA 2,5/5-SFA-CPE-L24BD : switching block with fuse holder for Automotive Mini Fuse, equipped with bidirectional green LED 24 V - 4,8 mA.
 MA 2,5/5-SFA-CPE-AB : switching block with fuse holder for Automotive Mini Fuse, equipped with a zero value resistor for bidirectional leds power supply.



Note only for MA 2,5/5-CPE... range : we advise use of "key" accessory with this product. The connectors are mounted in opposite position.



Bus bar used to common LED's. Use MA 2,5/5...CPE...AB type blocks to polarise the bus bar.



These blocks are shipped with 10 poles detachable protection strips, designed to protect the male contact pins (not assembled on the blocks).

Type	P/N	Type	P/N
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MA 2,5/5-SB-CPE	1SNA 400 117 R2300	MA 2,5/5-SFA-CPE	1SNA 400 118 R0400
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		MA 2,5/5-SFA-CPE-L24BD	1SNA 400 119 R0500
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		MA 2,5/5-SFA-CPE-AB	1SNA 400 120 R0200
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IEC	UL pending	CSA pending	IEC	UL pending	CSA pending
0.2 - 4 0.22 - 2.5	24-12AWG	24-12AWG	0.2 - 4 0.22 - 2.5	24-12AWG	24-12AWG
320	300	300	320 (3)	300	300
10 (4)	10 (4)	10 (4)	3	3	3
2.5 mm ²	12 AWG	12 AWG	2.5 mm ²	12 AWG	12 AWG
10 mm / .394"			10 mm / .394"		
0.4-0.6 Nm / 3.5-5.3 lb.in.			0.4-0.6 Nm / 3.5-5.3 lb.in.		

Type	P/N	Type	P/N
------	-----	------	-----

FE2CPE	th. 2.8 1SNA 215 038 R2000	FE2CPE	th. 2.8 1SNA 215 038 R2000
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DCB	blue 1SNA 105 028 R2100	DCB	blue 1SNA 105 028 R2100
-----	-------------------------	-----	-------------------------

FC2	1SNA 007 865 R2600	FC2	1SNA 007 865 R2600
-----	--------------------	-----	--------------------

PC5	1SNA 113 542 R1000	PC5	1SNA 113 542 R1000
-----	--------------------	-----	--------------------

PC5	1SNA 113 544 R1200	PC5	1SNA 113 544 R1200
-----	--------------------	-----	--------------------

EIP	1SNA 113 550 R2400	EIP	1SNA 113 550 R2400
-----	--------------------	-----	--------------------

COCF 32	1SNA 173 660 R1600	COCF 32	1SNA 173 660 R1600
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CPF 5,08	10 poles 1SNA 199 323 R2300	CPF 5,08	10 poles 1SNA 199 323 R2300
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FE1BCP	th. 5.08 1SNA 400 100 R1700	FE1BCP	th. 5.08 1SNA 400 100 R1700
--------	-----------------------------	--------	-----------------------------

		BO05	length 500 1SNA 177 849 R0400
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COC1	1SNA 299 777 R1600	COC1	1SNA 299 777 R1600
------	--------------------	------	--------------------

BNS5 (5)	1SNA 116 702 R2400	BFS5AUTO	black 1SNA 299 877 R0300
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FUBS (6)	0,5 A 1SNA 174 893 R1600	FJUAUTO (7)	2 A 1SNA 179 879 R1400
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FUBS (6)	1 A 1SNA 174 894 R1700	FJUAUTO (7)	3 A 1SNA 179 880 R0200
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FUBS (6)	2 A 1SNA 174 895 R1000		
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FUBS (6)	3 A 1SNA 174 896 R1100		
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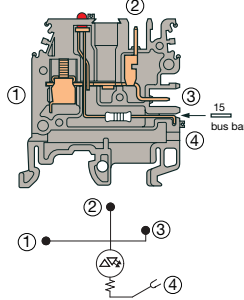
FUBS (6)	5 A 1SNA 174 897 R1200		
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RC510		RC510	
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(4) Rated current : according the fuse : 5 A max. (6) Plug + solder tags + screws.
 (6) Soldered fuse. (7) Mini fuse - 32 V max.

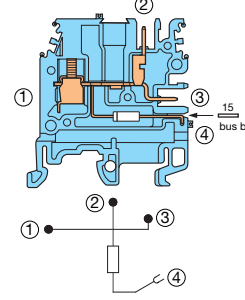
MA 2,5/5-CPE-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.



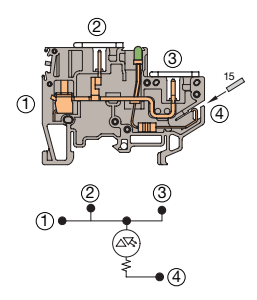
MA 2,5/5-CPE-AB

Standard block equipped with a zero value resistor.



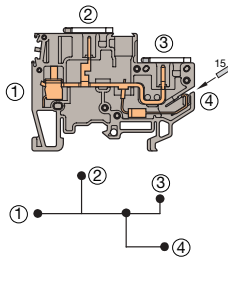
MA 2,5/5-2CPE1-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.



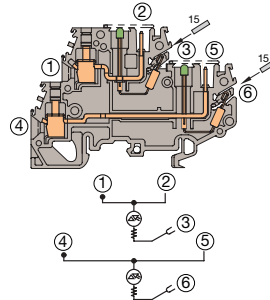
MA 2,5/5-2CPE1-AB

Standard block equipped with a zero value resistor.



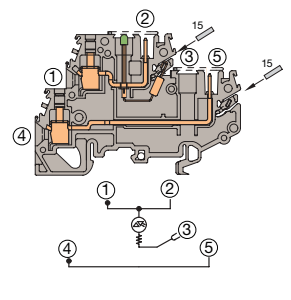
MA 2,5/5D2-2CPE1-AB

Double deck block equipped with 24 V - 4,8 mA green bidirectional LED on each level.



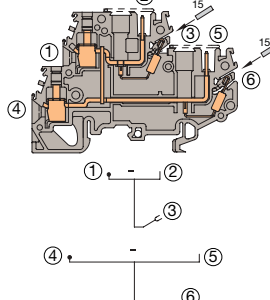
MA 2,5/5D2-2CPE1-1L24BD

Double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level.



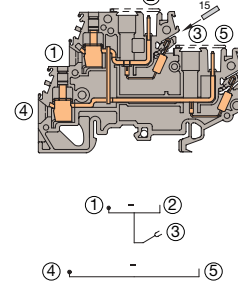
MA 2,5/5D2-2CPE1-AB

Double deck block equipped with a zero value resistor on each level.



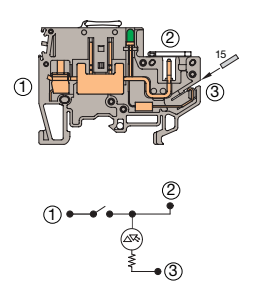
MA 2,5/5D2-2CPE1-AB/1

Double deck block equipped with a zero value resistor on top level.



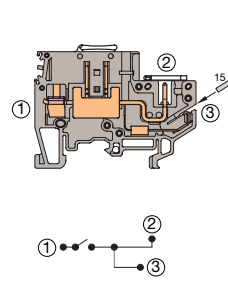
MA 2,5/5-SNB-L24BD

Switch block equipped with 24 V - 4,8 mA green bidirectional LED.



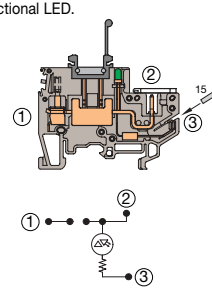
MA 2,5/5-SNB-CPE-AB

Switch block equipped with a zero value resistor.



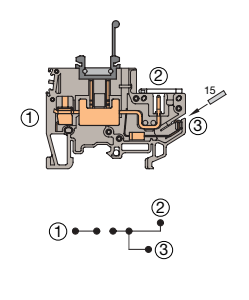
MA 2,5/5-SFA-CPE-L24BD

Fuse block equipped with 24 V - 4,8 mA green bidirectional LED.



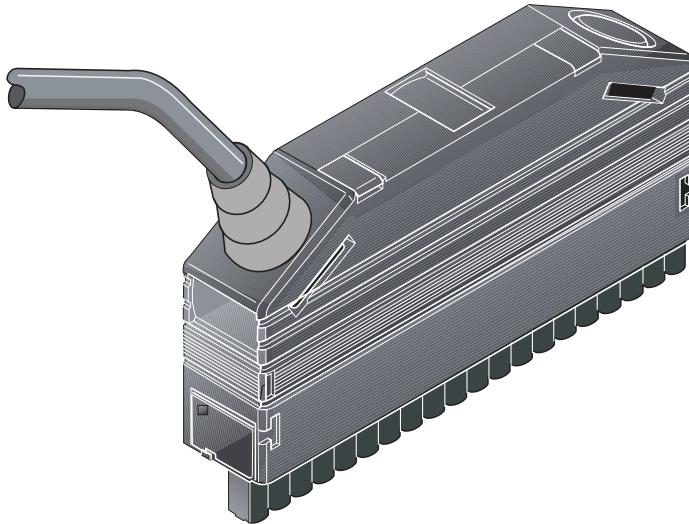
MA 2,5/5-SFA-CPE-AB

Fuse block equipped with a zero value resistor.



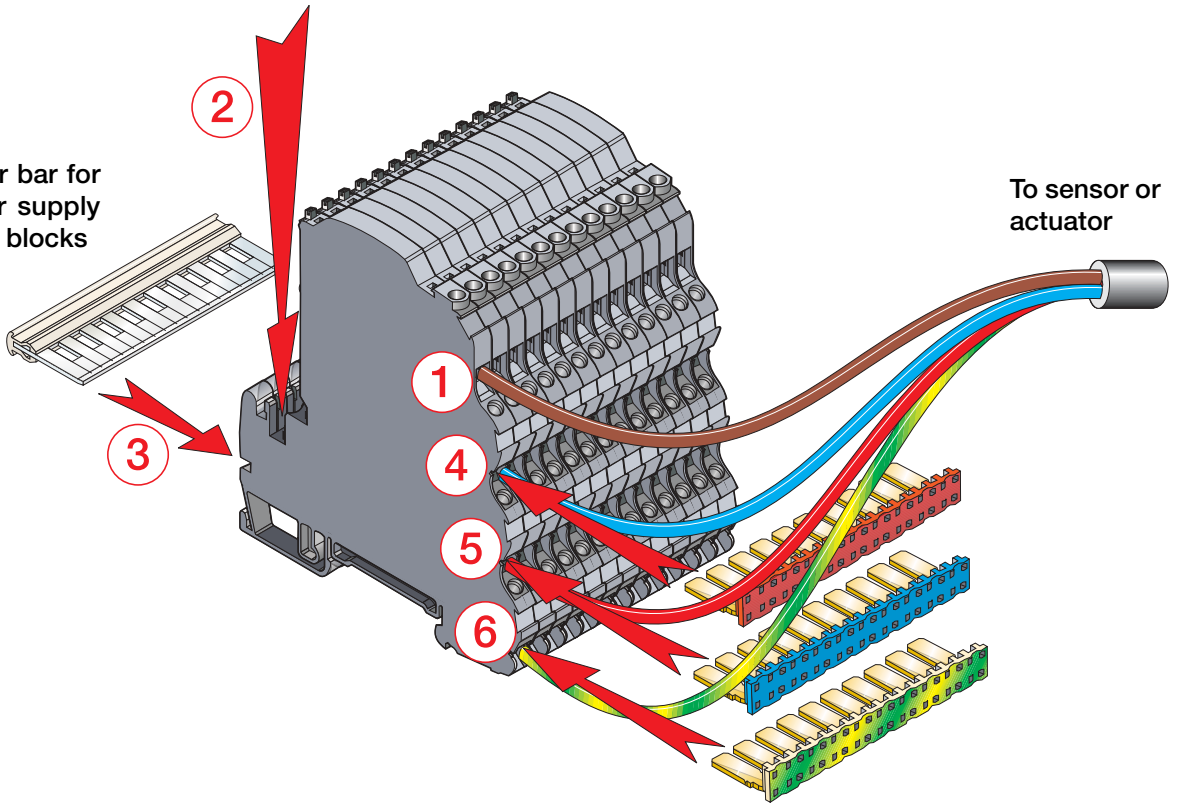
Connection of the assemblies

To PLC



2

Comb-type jumper bar for Led blocks power supply using D2,5/5.....AB blocks



To sensor or actuator

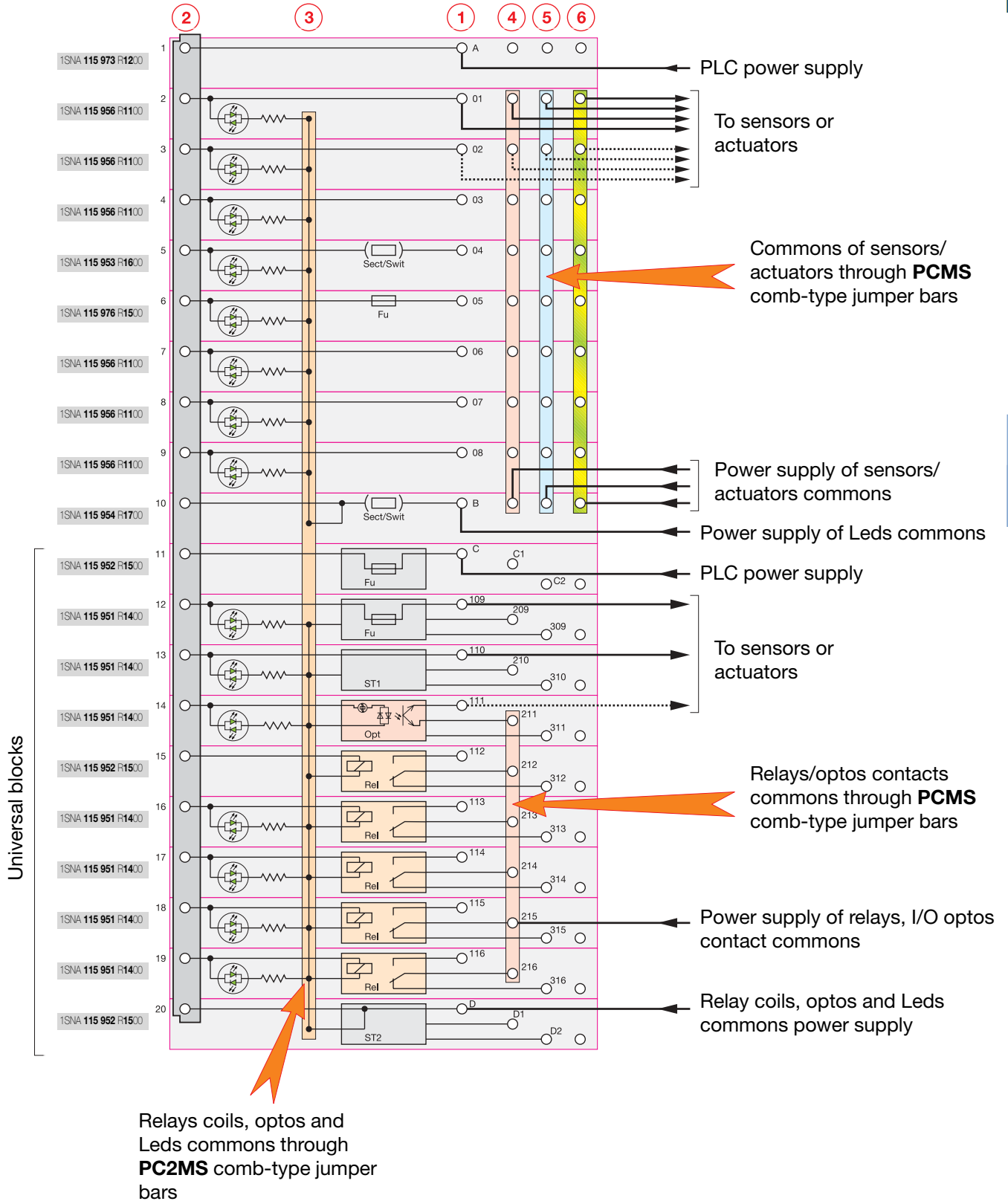
Power supply and protection commons through interconnection bars

Standard pre-wired assemblies
Ask for our «Interfast» catalog.

Assemblies made on request,
consult us.

Applications

Omniconnect connector to PLC



Terminal blocks for connector Compression clamp

DIN 3



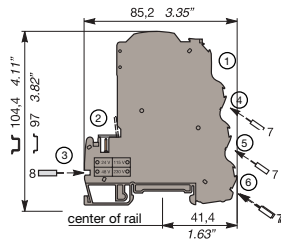
End stop		th. 9 mm	BADL	V0	1SNA 399 903 R0200
End stop		th. 9,1 mm	BAM	V2	1SNA 103 002 R2600
End stop		th. 9,1 mm	BAM V0	V0	1SNA 199 306 R0300
Rail		35 x 7,5 x 1	PR3.22		1SNA 174 300 R1700
Rail		35 x 15 x 2,3	PR4		1SNA 168 500 R1200
Rail		35 x 15 x 1,5	PR5		1SNA 168 700 R2200

Observations

Max. working temperature
version without LED : 100°C
version with LED : 85°C
Contact resistance : < 5 mΩ

D 2,5/5-T3PI-CPE-...

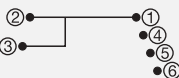
Spacing 5,08 mm (.200")



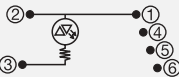
D 2,5/5-T3PI-CPE



D 2,5/5-T3PI-CPE-AB



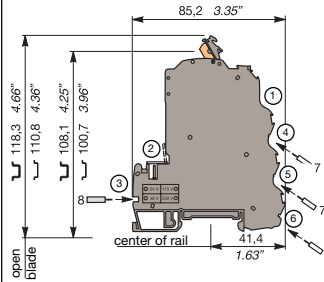
D 2,5/5-T3PI-CPE-L24BD



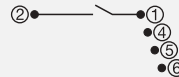
Equipped with a green 2 direction LED 24 V - 4,7 mA

D 2,5/5-SNB-T3PI-CPE-...

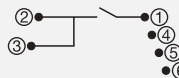
Spacing 5,08 mm (.200")



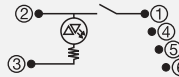
D 2,5/5-SNB-T3PI-CPE



D 2,5/5-SNB-T3PI-CPE-AB



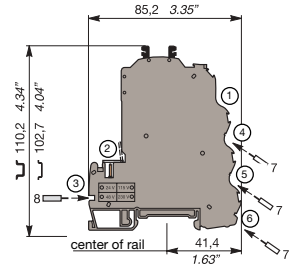
D 2,5/5-SNB-T3PI-CPE-L24BD



Equipped with a green 2 direction LED 24 V - 4,7 mA

D 2,5/5-SFA-T3PI-CPE-...

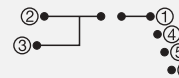
Spacing 5,08 mm (.200")



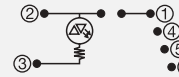
D 2,5/5-SFA-T3PI-CPE



D 2,5/5-SFA-T3PI-CPE-AB



D 2,5/5-SFA-T3PI-CPE-L24BD



Equipped with a green 2 direction LED 24 V - 4,7 mA

Type	Part numbers	Type	Part numbers	Type	Part numbers
Grey V0		Grey V0		Grey V0	
D 2,5/5-T3PI-CPE	1SNA 115 973 R1200	D 2,5/5-SNB-T3PI-CPE	1SNA 115 972 R1100	D 2,5/5-SFA-T3PI-CPE	1SNA 115 974 R1300
D 2,5/5-T3PI-CPE-AB	1SNA 115 955 R1000	D 2,5/5-SNB-T3PI-CPE-AB	1SNA 115 954 R1700	D 2,5/5-SFA-T3PI-CPE-AB	1SNA 115 975 R1400
D 2,5/5-T3PI-CPE-L24BD	1SNA 115 956 R1100	D 2,5/5-SNB-T3PI-CPE-L24BD	1SNA 115 953 R1600	D 2,5/5-SFA-T3PI-CPE-L24BD	1SNA 115 976 R1500

Characteristics

Wire size	Compression clamp	IEC		UL/CSA pending		IEC		UL/CSA pending	
		Solid wire	Stranded wire	0,2-4 mm ²	24-12 AWG	0,2-4 mm ²	24-12 AWG	0,2-4 mm ²	24-12 AWG
Voltage	Rated			320 V	300 V	320 V	300 V	320 V	300 V
	Pulse			4 kV		4 kV		4 kV	
	Pollution degree			3		3		3	
Current	Rated			12 A	10 A	10 A	10 A	10 A	10 A
	Wire size	Rated / Gauge		2,5 mm ²	12 AWG	2,5 mm ²	12 AWG	2,5 mm ²	12 AWG
Wire stripping length				10 mm / .394"		10 mm / .394"		10 mm / .394"	
Recommended screwdriver				3,5 mm / .137"		3,5 mm / .137"		3,5 mm / .137"	
Recommended torque				0,4-0,6 Nm / 3,5-5,3 lb.in		0,4-0,6 Nm / 3,5-5,3 lb.in		0,4-0,6 Nm / 3,5-5,3 lb.in	
Protection				IP 20 / NEMA1 (5)		IP 20 / NEMA1 (5)		IP 20 / NEMA1 (5)	

Accessories

Type	Part numbers	Type	Part numbers	Type	Part numbers
1 Detachable protection strips	CPF 5,08 10 poles 1SNA 199 323 R2300	CPF 5,08 10 poles 1SNA 199 323 R2300		CPF 5,08 10 poles 1SNA 199 323 R2300	
2 12 or 20 poles cover	CPMS 20 (4) 1SNA 205 227 R0100	CPMS 20 (4) 1SNA 205 227 R0100		CPMS 20 (4) 1SNA 205 227 R0100	
34 poles cover	CPMS 34 (4) 1SNA 206 163 R0200	CPMS 34 (4) 1SNA 206 163 R0200		CPMS 34 (4) 1SNA 206 163 R0200	
3 Label for CPMS cover		RTMS 12 poles 1SNA 205 805 R0600		RTMS 12 poles 1SNA 205 805 R0600	
4 Blocking peg	COCF 32 1SNA 173 660 R1600	COCF 32 1SNA 173 660 R1600		COCF 32 1SNA 173 660 R1600	
5 Coding peg Nr 1	COC1 1SNA 299 777 R1600	COC1 1SNA 299 777 R1600		COC1 1SNA 299 777 R1600	
6 End section-flange kit (R + L)	FEMS 1SNA 400 110 R0000	FEMS 1SNA 215 368 R1700		FEMS 1SNA 215 368 R1700	
7 Comb type jumper bar	PCMS V0 2 to 22 poles see next pages	PCMS V0 2 to 22 poles see next pages		PCMS V0 2 to 22 poles see next pages	
8 Jumper bar orange IP20 - 24 A	PC2MS 34 poles 1SNA 400 169 R1700	PC2MS 34 poles 1SNA 400 169 R1700		PC2MS 34 poles 1SNA 400 169 R1700	
9 Test device	DCB (3) blue 1SNA 105 028 R2100	DCB (3) blue 1SNA 105 028 R2100		DCB (3) blue 1SNA 105 028 R2100	
10 Test plug	FC2 DIA. 2 1SNA 007 865 R2600	FC2 DIA. 2 1SNA 007 865 R2600		FC2 DIA. 2 1SNA 007 865 R2600	
11 ATO fuse-holder plug black				BF5 AUTO V0 (6) 1SNA 299 877 R0300	
12 ATO fuse-holder plug black				BFMS AUTOV0 1SNA 399 170 R1600	
13 Mini Fuse - 32 V max.				FUAUTO 2A 1SNA 179 879 R1400	
14 Separator	SCMS 1SNA 400 172 R0200	SCMS 1SNA 400 172 R0200		FUAUTO 3A 1SNA 179 880 R0200	
R See section on marking	Marking method			FUAUTO 5A 1SNA 211 277 R0000	
				SCMS 1SNA 400 172 R0200	

(3) Solely on the top stage.
(4) Sticks to the end section-flanges 6. (5) IP20 block with detachable protection strips, to order separately.
(6) Do not use with CPMS cover on.

Terminal blocks for connector

Compression clamp

DIN 3

End stop		th. 9 mm	BADL	V0	1SNA 399 903 R0200
End stop		th. 9,1 mm	BAM	V2	1SNA 103 002 R2600
End stop		th. 9,1 mm	BAM V0	V0	1SNA 199 306 R0300
Rail		35 x 7,5 x 1	PR3.Z2		1SNA 174 300 R1700
Rail		35 x 15 x 2,3	PR4		1SNA 168 500 R1200
Rail		35 x 15 x 1,5	PR5		1SNA 168 700 R2200

Observations

Max. working temperature
 version without LED : 100°C
 version with LED : 85°C
 Contact resistance : < 5 mΩ

Characteristics

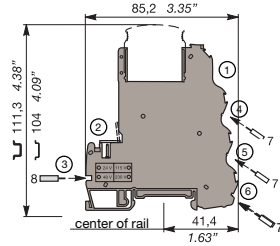
Wire size	Compression clamp	Solid wire		Stranded wire	
		0,2-4 mm ²	24-12 AWG	0,22-2,5 mm ²	24-12 AWG
Voltage	Rated	320 V		300 V	
	Pulse	4 kV			
	Pollution degree	3			
Current	Rated	6 A		6 A	
	Wire size	Rated / Gauge		2,5 mm ² / 12 AWG	
Wire stripping length		10 mm / .394"			
Recommended screwdriver		3,5 mm / .137"			
Recommended torque		0,4-0,6 Nm / 3,5-5,3 lb.in			
Protection		IP 20 / NEMA1 (5)			

Accessories

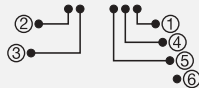
Type	Part numbers
1 Detachable protection strips	CPF 5,08 10 poles 1SNA 199 323 R2300
2 12 or 20 poles cover	CPMS 20 (4) 1SNA 205 227 R0100
3 34 poles cover	CPMS 34 (4) 1SNA 206 163 R0200
3 Label for CPMS cover	RTMS 12 poles 1SNA 205 805 R0600
	20 poles 1SNA 205 361 R1700
	34 poles 1SNA 206 164 R0300
4 Blocking peg	COCF 32 1SNA 173 660 R1600
5 Coding peg Nr 1	COC1 1SNA 299 777 R1600
6 End section-flange kit (R + L)	FEMS 1SNA 400 110 R0000
7 Comb type jumper bar	PCMS V0 2 to 22 poles see next pages
8 Jumper bar orange	PC2MS 10 poles 1SNA 400 110 R0000
	34 poles 1SNA 400 171 R0100
9 Test device	DCB (3) blue 1SNA 105 028 R2100
10 Test plug	FC2 DIA. 2 1SNA 007 865 R2600
11 Plugs	BNMS D 2,5/5-UNI-CPE compatible with model 1 et 2
	D 2,5/5-UNI-CPE-L24BD compatible with model 1
12 Separator	SCMS 1SNA 400 172 R0200
R See section on marking	Marking method (5)

D 2,5/5-UNI-CPE-...

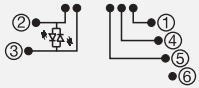
Spacing 5,08 mm (.200")



D 2,5/5-UNI-CPE



D 2,5/5-UNI-CPE-L24BD



Equipped with a green LED 4,7 mA

BNMS

Model 1 plugs

Input optocoupler plugs

(See Characteristics on the next pages)

5 V DC	BNMS T5V-1		1SNA 031 831 R0300
24 V DC	BNMS T24V-1		1SNA 031 800 R2100
48 V DC	BNMS T48V-1		1SNA 031 801 R1600
125 V DC	BNMS T125V-1		1SNA 031 845 R1100
24 V AC	BNMS T24V-1		1SNA 031 802 R1700
48 V AC	BNMS T48V-1		1SNA 031 803 R1000
115 V AC	BNMS T115V-1		1SNA 031 804 R1100
230 V AC	BNMS T230V-1		1SNA 031 805 R1200

Output optocoupler plugs (See Characteristics on the next pages)

24 V DC	100 mA	BNMS N24V-3		1SNA 031 807 R1400
24 V DC	100 mA	BNMS P24V-3		1SNA 031 810 R1200
24 V DC	2 A	BNMS N24V-1		1SNA 031 813 R0100
24 V DC	2 A	BNMS P24V-1		1SNA 031 815 R0300
24 V DC	1 A	BNMS N24V-2		1SNA 031 817 R0500
24 V DC	1 A	BNMS P24V-2		1SNA 031 819 R1700
24 V DC	1 A	BNMS A24V-4		1SNA 031 839 R1300

Relay plug (See Characteristics on the next pages)

1 RT	BNMS R24V-1		1SNA 031 820 R1400
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Fuse plug (See Characteristics on the next pages)

125 V / 125 mA	BNMS F125mA-1		1SNA 031 821 R0100
125 V / 500 mA	BNMS F500mA-1		1SNA 031 838 R1200
125 V / 2 A	BNMS F2A-1		1SNA 031 822 R0200
125 V / 5 A	BNMS F5A-1		1SNA 031 823 R0300
250 V / 125 A	BNMS F125mA-2		1SNA 031 824 R0400
250 V / 2 A	BNMS F2A-2		1SNA 031 825 R0500
250 V / 5 A	BNMS F5A-2		1SNA 031 826 R0600

Fuse plug (See Characteristics on the next pages)

125 V / 125 mA	BNMS F125mA-3		1SNA 031 827 R0700
250 V / 125 mA	BNMS F125mA-4		1SNA 031 828 R1000

Strap plug (See Characteristics on the next pages)

BNMS ST1		1SNA 031 829 R1100
BNMS ST2		1SNA 031 830 R1600

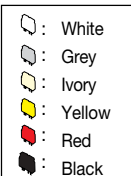
Model 2 plugs

Output optocoupler plugs (See Characteristics on the next pages)

5 V DC	100 mA	BNMS N5V-3		1SNA 031 806 R1300
5 V DC	100 mA	BNMS P5V-3		1SNA 031 809 R2600
48 V DC	100 mA	BNMS N48V-3		1SNA 031 808 R2500
48 V DC	100 mA	BNMS P48V-3		1SNA 031 811 R0700
5 V DC	2 A	BNMS N5V-1		1SNA 031 812 R0000
5 V DC	2 A	BNMS P5V-1		1SNA 031 814 R0200
5 V DC	1 A	BNMS N5V-2		1SNA 031 816 R0400
5 V DC	1 A	BNMS P5V-2		1SNA 031 818 R1600

Converter plug (See Characteristics on the next pages)

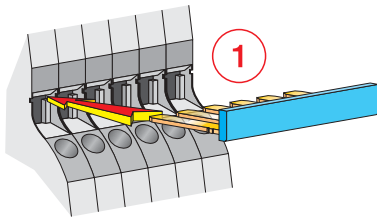
0 - 20 mA	0 - 10 V	BNMS CAI/U-500		1SNA 031 832 R0400
4 - 20 mA	2 - 10 V	BNMS CAI/U-500		1SNA 031 832 R0400
0 - 20 mA	0 - 5 V	BNMS CAI/U-250		1SNA 031 833 R0500
4 - 20 mA	1 - 5 V	BNMS CAI/U-250		1SNA 031 833 R0500



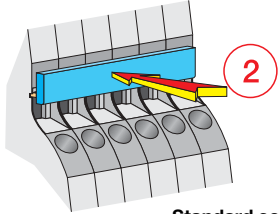
(3) Solely on the top stage.
 (4) Sticks to the end section-flanges 6. (5) IP20 block with detachable protection strips, to order separately.
 (6) Do not use with CPMS cover on.

COMB TYPE JUMPER BAR INSTALLATION

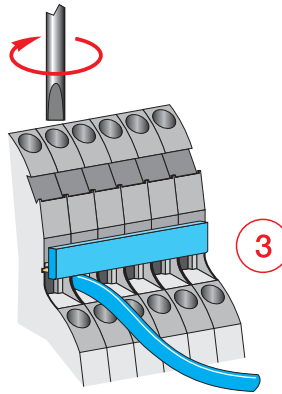
NOTE: It is recommended to install the comb type jumper bar before mounting the terminal boards on the rail. Make sure that the screws are completely loosened.



1 - Insert the comb type jumper bar into the compression clamp hole and push in upper position.



2 - Push the comb type jumper bar right against the terminal boards.



interfast MS

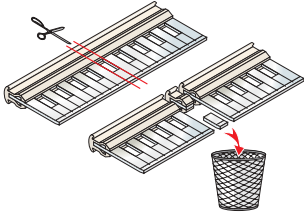
3 - Snap the terminal board on the rail. Connect the wires if necessary, and lock the comb type jumper bar with **all** the screws.

Standard comb type jumper bar :

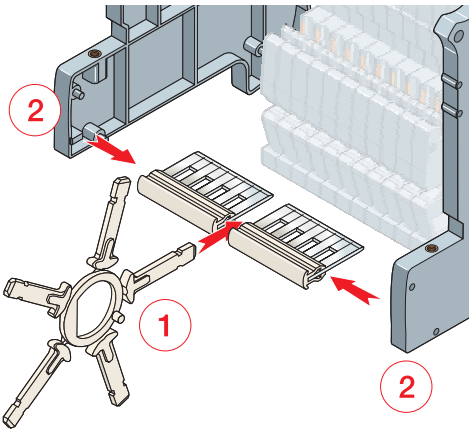
No of poles	Type	GREY	RED	BLUE	YELLOW/GREEN
12	BFMS-12	1SNA 205 531 R2200	1SNA 205 532 R2300	1SNA 205 533 R2400	1SNA 205 534 R2500
20	BFMS-20	1SNA 205 563 R0200	1SNA 205 564 R0300	1SNA 205 565 R0400	1SNA 205 566 R0500

MAINTENANCE

A - Shunt use

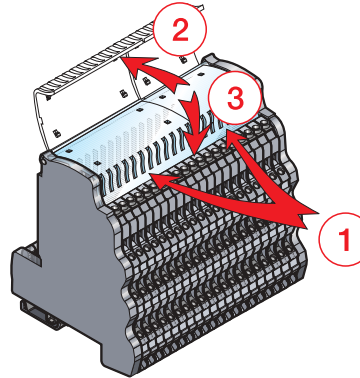


To separate the shunt, cut it on both sides of the indicated zone. Throw away the useless pieces.



Each shunt end has to be flanked by a separator ① or an end section ②.

B - Cover opening / closing



Opening

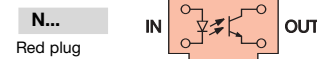
- 1 - Push lightly in the direction of the arrows.
- 2 - Open the cover according to the arrow.

Closing

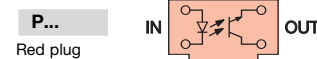
- 3 - Close the cover according to the arrow.
- 1 - Push lightly in the direction of the arrows.

D - Plug description

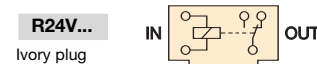
Opto coupler output with negative field voltage



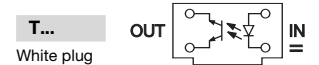
Opto coupler output with positive field voltage



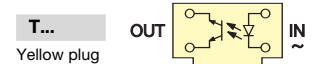
Output relay



DC input opto coupler



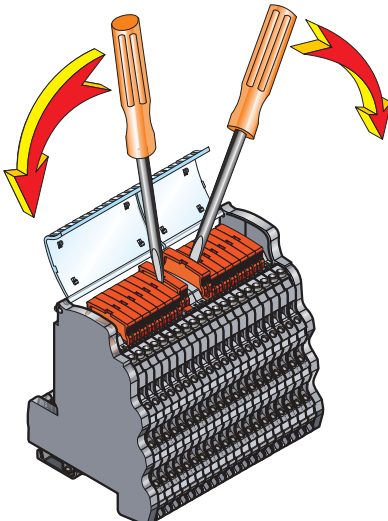
AC input opto coupler



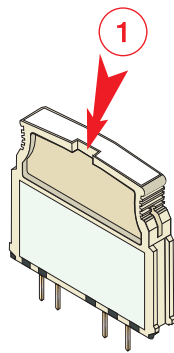
Fuse



C - Plug extraction



1 - Insert the screwdriver in the slot and lever out right or left to extract the plug.





Accessories - Marking

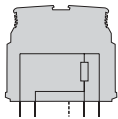
Summary

E1 - Accessories 210

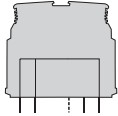
E2 - Marking 223

Range of plugs

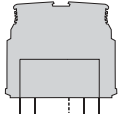
ABB Entelec offers a wide range of Interfast plugs.



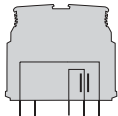
Converter plug



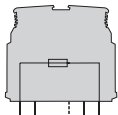
Strap 2 plug



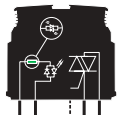
Strap 1 plug



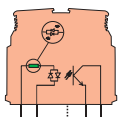
Input fuse plug



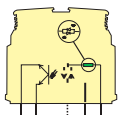
Output fuse plug



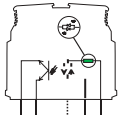
AC output optocoupler plug



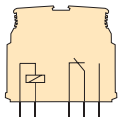
DC output optocoupler plug



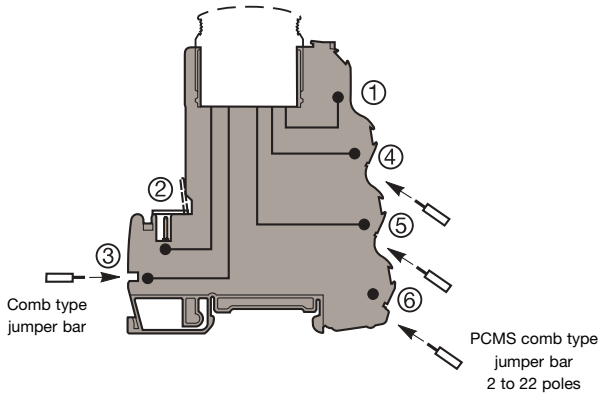
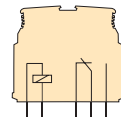
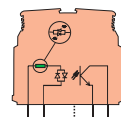
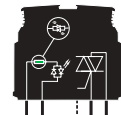
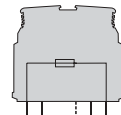
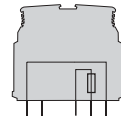
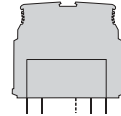
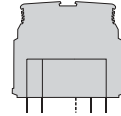
AC input optocoupler plug



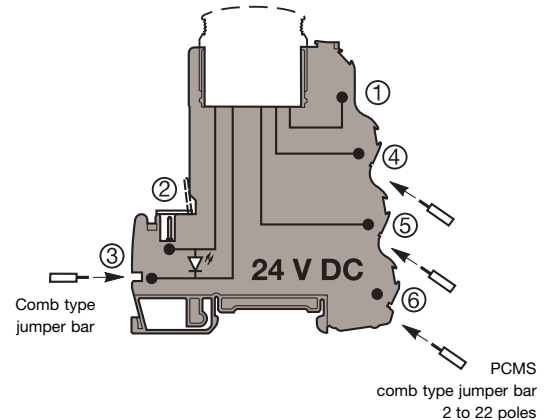
DC input optocoupler plug



Relay plug



Terminal block without LED



Terminal block with LED

ACCESSORIES

BNMS Model 1 plugs

Input optocoupler plugs (See Characteristics on the next pages)

125 V DC	BNMS T125V-1	White	1SNA 031 831 R0300
24 V DC	BNMS T24V-1	White	1SNA 031 800 R2100
48 V DC	BNMS T48V-1	White	1SNA 031 801 R1600
5 V DC	BNMS T5V-1	White	1SNA 031 845 R1100
24 V AC	BNMS T24V-1	Yellow	1SNA 031 802 R1700
48 V AC	BNMS T48V-1	Yellow	1SNA 031 803 R1000
115 V AC	BNMS T115V-1	Yellow	1SNA 031 804 R1100
230 V AC	BNMS T230V-1	Yellow	1SNA 031 805 R1200

Output optocoupler plugs (See Characteristics on the next pages)

24 V DC 100 mA	BNMS N24V-3	Red	1SNA 031 807 R1400
24 V DC 100 mA	BNMS P24V-3	Red	1SNA 031 810 R1200
24 V DC 2 A	BNMS N24V-1	Red	1SNA 031 813 R0100
24 V DC 2 A	BNMS P24V-1	Red	1SNA 031 815 R0300
24 V DC 1 A	BNMS N24V-2	Red	1SNA 031 817 R0500
24 V DC 1 A	BNMS P24V-2	Red	1SNA 031 819 R1700

Relay plug (See Characteristics on the next pages)

1 RT	BNMS R24V-1	Ivory	1SNA 031 820 R1400
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Fuse plug

125 V / 125 mA	BNMS F125mA-1	Grey	1SNA 031 821 R0100
125 V / 500 mA	BNMS F250mA-1	Grey	1SNA 031 838 R1200
125 V / 2 A	BNMS F2A-1	Grey	1SNA 031 822 R0200
125 V / 5 A	BNMS F5A-1	Grey	1SNA 031 823 R0300
250 V / 125 mA	BNMS F125mA-2	Grey	1SNA 031 824 R0400
250 V / 2 A	BNMS F2A-2	Grey	1SNA 031 825 R0500
250 V / 5 A	BNMS F5A-2	Grey	1SNA 031 826 R0600

Fuse plug

125 V / 125 mA	BNMS F125mA-3	Grey	1SNA 031 827 R0700
250 V / 125 mA	BNMS F125mA-4	Grey	1SNA 031 828 R1000

Strap plug

BNMS ST1	Grey	1SNA 031 829 R1100
BNMS ST2	Grey	1SNA 031 830 R1600

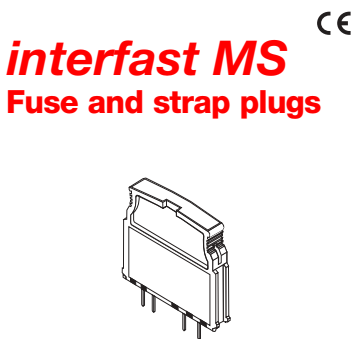
Model 2 plugs

Output optocoupler plugs (See Characteristics on the next pages)

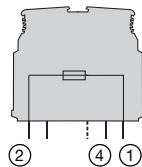
5 V DC 100 mA	BNMS N5V-3	Red	1SNA 031 806 R1300
5 V DC 100 mA	BNMS P5V-3	Red	1SNA 031 809 R2600
48 V DC 100 mA	BNMS N48V-3	Red	1SNA 031 808 R2500
48 V DC 100 mA	BNMS P48V-3	Red	1SNA 031 811 R0700
5 V DC 2 A	BNMS N5V-1	Red	1SNA 031 812 R0000
5 V DC 2 A	BNMS P5V-1	Red	1SNA 031 814 R0200
5 V DC 1 A	BNMS N5V-2	Red	1SNA 031 816 R0400
5 V DC 1 A	BNMS P5V-2	Red	1SNA 031 818 R1600

Converter plug (See Characteristics on the next pages)

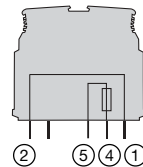
0 - 20 mA 0 - 10 V	BNMS CAI/U-500	Grey	1SNA 031 832 R0400
4 - 20 mA 2 - 10 V	BNMS CAI/U-500	Grey	1SNA 031 832 R0400
0 - 20 mA 0 - 5 V	BNMS CAI/U-250	Grey	1SNA 031 833 R0500
4 - 20 mA 1 - 5 V	BNMS CAI/U-250	Grey	1SNA 031 833 R0500



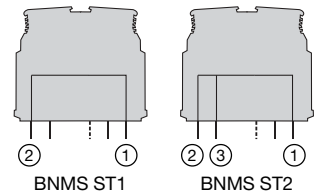
Output fuse plug



Input fuse plug



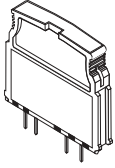
Strap plug



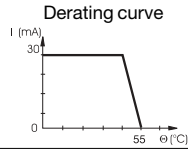
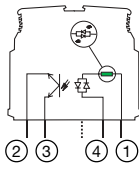
Part numbers

Type	P/N	Type	P/N	Type	P/N
BNMS F125mA-1	125 V / 125 mA 1SNA 031 821 R0100	BNMS F125mA-3	125 V / 125 mA 1SNA 031 827 R0700	BNMS ST1	1SNA 031 829 R1100
BNMS F500mA-1	125 V / 500 mA 1SNA 031 838 R1200	BNMS F125mA-4	250 V / 125 mA 1SNA 031 828 R1000	BNMS ST2	1SNA 031 830 R1600
BNMS F2A-1	125 V / 2 A 1SNA 031 822 R0200				
BNMS F5A-1	125 V / 5 A 1SNA 031 823 R0300				
BNMS F125mA-2	250 V / 125 mA 1SNA 031 824 R0400				
BNMS F2A-2	250 V / 2 A 1SNA 031 825 R0500				
BNMS F5A-2	250 V / 5 A 1SNA 031 826 R0600				

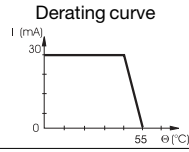
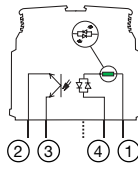
interfast MS
Input optocoupler
plugs



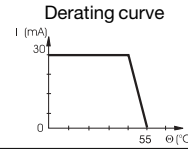
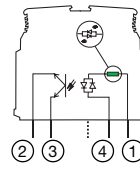
5 V DC



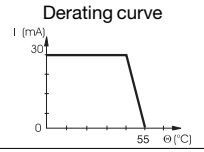
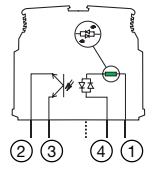
24 V DC



48 V DC



125 V DC



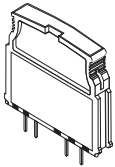
Part number

Type	P/N	Type	P/N	Type	P/N	Type	P/N
BNMS T5V-1	1SNA 031 831 R0300	BNMS T24V-1	1SNA 031 800 R2100	BNMS T48V-1	1SNA 031 801 R1600	BNMS T125V-1	1SNA 031 845 R1100

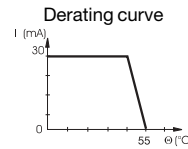
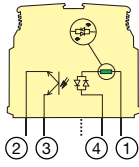
Characteristics

INPUT					
Voltage		4,5 V to 5,5 V DC	19,2 V to 27,6 V DC	38,4 V to 55,2 V DC	93,5 V to 140 V DC
Max. current		6 mA	5 mA	4,1 mA	
Typical triggering threshold at I _s = 100%		3,5 V	12 V DC	21 V DC	
Switching time	C/O	20 μs / 1,3 ms	20 μs / 1,3 ms	20 μs / 1,3 ms	
Leakage current			1 mA	0,8 mA	
OUTPUT					
Max. voltage. / Max. current		58 V / 30 mA	58 V / 30 mA	58 V / 30 mA	58 V / 30 mA
Residual voltage max. I and rated U standard		2,3 V DC	2,3 V DC	2,3 V DC	2,3 V DC
	max.	2,7 V DC	2,7 V DC	2,7 V DC	2,7 V DC
Input / Ouput isolation		2,5 kV	2,5 kV	2,5 kV	2,5 kV
TEMPERATURE					
Storage		- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C
Operating		- 20°C to + 55°C	- 20°C to + 55°C	- 20°C to + 55°C	- 20°C to + 55°C

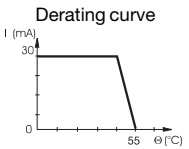
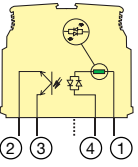
interfast MS
Input optocoupler
plugs



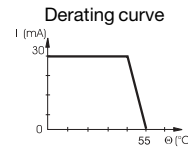
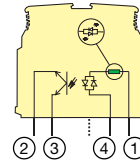
24 V AC



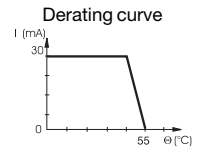
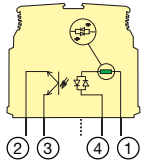
48 V AC



115 V AC



230 V AC



Part number

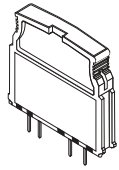
Type	P/N	Type	P/N	Type	P/N	Type	P/N
BNMS T24V-1	1SNA 031 802 R1700	BNMS T48V-1	1SNA 031 803 R1000	BNMS T115V-1	1SNA 031 804 R1100	BNMS T230V-1	1SNA 031 805 R1200

Charateristics

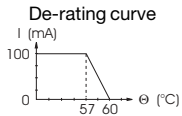
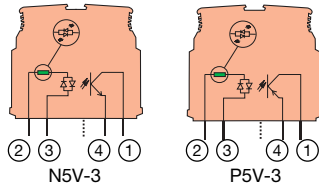
INPUT					
Voltage		20,4 V to 26,4 V AC	40,8 V to 52,8 V AC	98 V to 126,5 V AC	195,5 V to 253 V AC
Max. current		8,5 mA	4,5 mA	8 mA	7 mA
Typical triggering threshold at I _s = 100%		13 V AC	22 V AC	50 V AC	95 V AC
Switching time	C/O	6 ms / 10 ms	6 ms / 10 ms	6 ms / 10 ms	6 ms / 10 ms
Leakage current		1 mA	1 mA	2 mA	2 mA
OUPUT					
Max. voltage / Max. current		58 V / 30 mA	58 V / 30 mA	58 V / 30 mA	58 V / 30 mA
Residual voltage max. I and rated U standard		2,3 V DC	2,3 V	2,3 V	2,3 V
	max.	2,7 V DC	2,7 V	2,7 V	2,7 V
Input / Ouput isolation		2,5 kV	2,5 kV	2,5 kV	2,5 kV
TEMPERATURE					
Storage		- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C
Operating		- 20°C to + 55°C	- 20°C to + 55°C	- 20°C to + 55°C	- 20°C to + 55°C

interfast MS

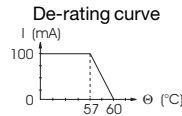
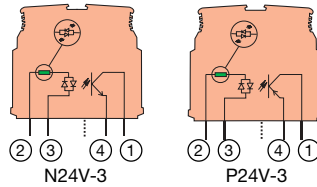
Transistor output optocoupler plugs



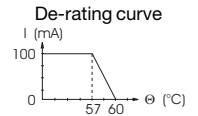
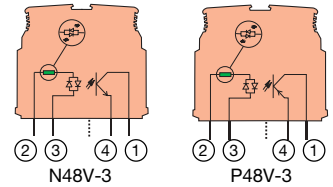
100 mA output optocoupler 5 V DC



100 mA output optocoupler 24 V DC



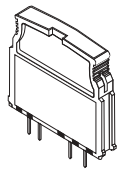
100 mA output optocoupler 48 V DC



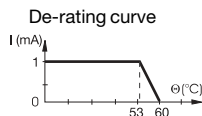
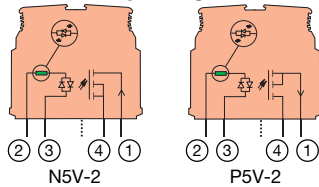
Part numbers	Type	P/N	Type	P/N	Type	P/N
	BNMS N5V-3	1SNA 031 806 R1300	BNMS N24V-3	1SNA 031 807 R1400	BNMS N48V-3	1SNA 031 808 R2500
	BNMS P5V-3	1SNA 031 809 R2600	BNMS P24V-3	1SNA 031 810 R1200	BNMS P48V-3	1SNA 031 811 R0700
Characteristics						
INPUT						
Voltage	4,5 V to 5,5 V DC		20,4 V to 28,8 V DC		40,8 V to 57,6 V DC	
Max. current	8,5 mA		4,8 mA		3,9 mA	
Typical triggering threshold at Is = 100 %	2,9 V DC		16 V DC		26 V DC	
Switching time C/O	20 μs / 1,3 ms		20 μs / 1,3 ms		20 μs / 1,3 ms	
Leakage current	1 mA		1 mA		1 mA	
OUTPUT						
Max. voltage / Max. current	58 V / 100 mA		58 V / 100 mA		58 V / 100 mA	
Residual voltage max. I and rated U						
standard U	1 V DC		1 V DC		1 V DC	
max.	1,3 V DC		1,3 V DC		1,3 V DC	
Frequency on inductive load	See Note 1		See Note 1		See Note 1	
Input / Output isolation	2,5 kV		2,5 kV		2,5 kV	
TEMPERATURE						
Storage	- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 60°C		- 20°C to + 60°C		- 20°C to + 60°C	

interfast MS

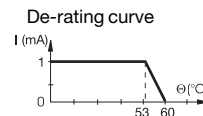
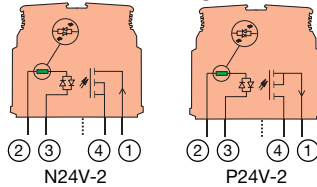
MOS output optocoupler plugs



1 A output optocoupler 5 V DC



1 A output optocoupler 24 V DC



Part numbers	Type	P/N	Type	P/N
	BNMS N5V-2	1SNA 031 816 R0400	BNMS N24V-2	1SNA 031 817 R0500
	BNMS P5V-2	1SNA 031 818 R1600	BNMS P24V-2	1SNA 031 819 R1700
Characteristics				
INPUT				
Voltage	4,5 V to 5,5 V DC		20,4 V to 28,8 V DC	
Max. current	12,5 mA		6,7 mA	
Typical triggering threshold at Is=100%	3,5 V DC		10 V DC	
Switching time C/O	20 μs / 250 μs		50 μs / 350 μs	
Leakage current	1 mA		1 mA	
OUTPUT				
Max. voltage / Max. current	58 V / See graphs		58 V / See graphs	
Residual voltage max. I and rated U				
standard U	1 V DC		1 V DC	
max.	1,3 V DC		1,3 V DC	
Frequency on inductive load	See Note 1		See Note 1	
Input / Output isolation	2,5 kV		2,5 kV	
TEMPERATURE				
Storage	- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 60°C		- 20°C to + 60°C	

Note 1 :

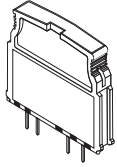
$$F_{max} = (1 - 0,007 \times U_s) / (L \times I_s^2)$$

or

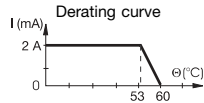
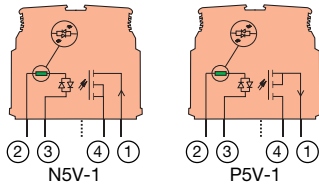
$$F_{max} = (1 - 0,007 \times U_s) / (P \times \frac{1}{R})$$

- U_s = Output voltage supply
- I_s = Output current
- L = Inductive load
- P = Load power
- R = Load resistance

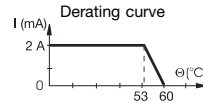
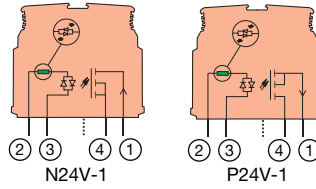
interfast MS
MOS output
optocoupler
plug



**2 A output optocoupler
5 V DC**



**2 A output optocoupler
24 V DC**



Note 2 :

$$F_{max} = (1 - 0,012 \times U_s) / (L \times I_s^2)$$

or

$$F_{max} = (1 - 0,012 \times U_s) / (P \times \frac{L}{R})$$

- U_s = Output voltage supply
- I_s = Output current
- L = Inductive load
- P = Load power
- R = Load resistance

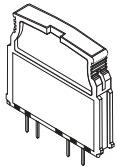
Part numbers

Type	P/N	Type	P/N
BNMS N5V-1	1SNA 031 812 R0000	BNMS N24V-1	1SNA 031 813 R0100
BNMS P5V-1	1SNA 031 814 R0200	BNMS P24V-1	1SNA 031 815 R0300

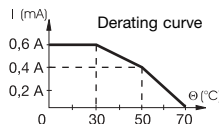
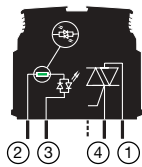
Characteristics

INPUT			
Voltage		4,5 V to 5,5 V DC	20,4 V to 28,8 V DC
Max. current		12,5 mA	6,7 mA
Typical triggering threshold		3,5 V DC	10 V DC
Switching time	C/O	20 μ s / 250 μ s	50 μ s / 350 μ s
Leakage current		1 mA	1 mA
OUTPUT			
Max. voltage / Max. current		30 V DC / See graphs	30 V / See graphs
Residual voltage max. I and rated U			
standard U		1 V DC	1 V DC
max.		1,3 V DC	1,3 V DC
Frequency on inductive load		See Note 2	See Note 2
Input / Output isolation		2,5 kV	2,5 kV
TEMPERATURE			
Storage		- 30°C to + 80°C	- 30°C to + 80°C
Operating		- 20°C to + 60°C	- 20°C to + 60°C

interfast MS
Triac output
optocoupler
plug



**1 A output optocoupler
24 V DC**



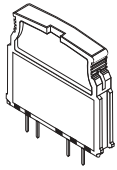
Part numbers

Type	P/N
BNMS A24V-4	1SNA 031 839 R1300

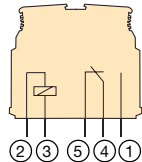
Characteristics

INPUT			
Voltage		20,4 V to 28,8 V DC	
Max. current		3,8 mA	
Typical triggering threshold		10 V DC	
Switching time	C/O	9,5 ms / 12 ms	
Leakage current			
OUTPUT			
Max. voltage / Max. current		24 V to 253 V AC / See derating curve	
Residual voltage max. I and rated U			
standard U		1 V AC	
max.		1,3 V AC	
Input / Output isolation		2,5 kV	
TEMPERATURE			
Storage		- 30°C to + 80°C	
Operating		- 20°C to + 70°C	

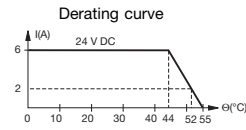
interfast MS
Relay plug



1 SPDT relay

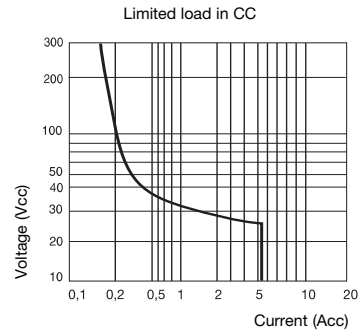


R24V-1



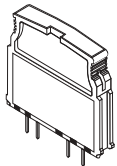
Part numbers	Type	P/N
	BNMS R24V-1	1SNA 031 820 R1400

Characteristics		
COIL		
Voltage		20,4 V to 28,8 V DC
Current max.		7 mA
Trip voltage		1,2 V
CONTACT		
Type		1 SPDT
Voltage mini. / max.		12 V / 250 V
Switching current mini. / max.		10 mA / 6 A
Switching current	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Number of operations	on load	10 ⁵ operations for AC15
	off load	10x10 ⁶ operations
Operating speed	C/O	6 ms / 8 ms
Bounce		1,5 ms
Isolation	Coil / Contact	4 kV
Resistance to shock waves	Coil / Contact	4 kV
Isolation	Contact / Contact	1 kV
TEMPERATURE		
Storage		- 40°C to + 80°C
Operating		- 20°C to + 55°C

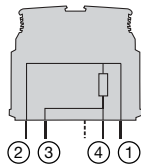


	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

interfast MS
Analogue plug

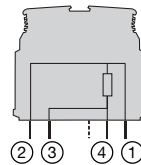


Current / Voltage Converter



Plug with 250 Ω accuracy resistance for analogical signals.

Current / Voltage Converter



Plug with 500 Ω accuracy resistance for analogical signals.

Part numbers	Type	P/N	Type	P/N
	BNMS CA I/U-250	1SNA 031 832 R0400	BNMS CA I/U-500	1SNA 031 833 R0500

Characteristics			
Resistance		250 Ω	500 Ω
Power		0,35 W	0,35 W
Accuracy		0,1 %	0,1 %
Stability		25 ppm	25 ppm

omnicconnect
P.C.B. connectors
Screw-clamp connection

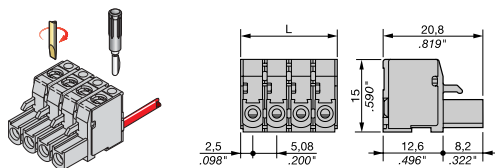
Spacing 5.08 mm
 Body : UL94 V0
 CE

Characteristics

Wire size		IEC	UL	CSA
Solid*	0-2,5 mm ²		24-12 AWG	24-12 AWG
Stranded*	0-2,5 mm ²			
Voltage				
V	250	300	300	
Current				
A	12	15	15	
Rated wire size				
	2,5 mm ²	12 AWG	12 AWG	
Other characteristics				
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection	
7,5 mm .295"	3,5 mm .137"	0,4 Nm 3,5 lb.in	IP 20 NEMA 1	
Max. working temperature			100° C	
Contact resistance			< 5 mΩ	
Approvals		UL	CSA	

CPFT2 / ...
Plugs,
wires parallel to connection

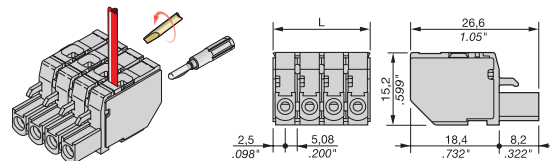
Spacing 5,08 mm .200"



Number of poles	Type	Part number
Spacing 5,08 mm .200" black body		
2	CPFT2 / 2	1SNA 094 302 R2100
3	CPFT2 / 3	1SNA 094 303 R2200
4	CPFT2 / 4	1SNA 094 304 R2300
5	CPFT2 / 5	1SNA 094 305 R2400
6	CPFT2 / 6	1SNA 094 306 R2500
7	CPFT2 / 7	1SNA 094 307 R2600
8	CPFT2 / 8	1SNA 094 308 R0700
9	CPFT2 / 9	1SNA 094 309 R0000
10	CPFT2 / 10	1SNA 094 310 R2400
11	CPFT2 / 11	1SNA 094 311 R1100
12	CPFT2 / 12	1SNA 094 312 R1200
13	CPFT2 / 13	1SNA 094 313 R1300
14	CPFT2 / 14	1SNA 094 314 R1400
15	CPFT2 / 15	1SNA 094 315 R1500
16	CPFT2 / 16	1SNA 094 316 R1600
17	CPFT2 / 17	1SNA 094 317 R1700
18	CPFT2 / 18	1SNA 094 318 R2000
19	CPFT2 / 19	1SNA 094 319 R2100
20	CPFT2 / 20	1SNA 094 320 R2600
21	CPFT2 / 21	1SNA 094 321 R1300
22	CPFT2 / 22	1SNA 094 322 R1400
23	CPFT2 / 23	1SNA 094 323 R1500
24	CPFT2 / 24	1SNA 094 324 R1600

CPFT2 / R-...
Plugs,
wires perpendicular to connection

Spacing 5,08 mm .200"



Number of poles	Type	Part number
Spacing 5,08 mm .200" black body		
2	CPFT2 / R-2	1SNA 094 352 R2200
3	CPFT2 / R-3	1SNA 094 353 R2300
4	CPFT2 / R-4	1SNA 094 354 R2400
5	CPFT2 / R-5	1SNA 094 355 R2500
6	CPFT2 / R-6	1SNA 094 356 R2600
7	CPFT2 / R-7	1SNA 094 357 R2700
8	CPFT2 / R-8	1SNA 094 358 R0000
9	CPFT2 / R-9	1SNA 094 359 R0100
10	CPFT2 / R-10	1SNA 094 360 R0600
11	CPFT2 / R-11	1SNA 094 361 R2300
12	CPFT2 / R-12	1SNA 094 362 R2400
13	CPFT2 / R-13	1SNA 094 363 R2500
14	CPFT2 / R-14	1SNA 094 364 R2600
15	CPFT2 / R-15	1SNA 094 365 R2700
16	CPFT2 / R-16	1SNA 094 366 R2000
17	CPFT2 / R-17	1SNA 094 367 R2100
18	CPFT2 / R-18	1SNA 094 368 R0200
19	CPFT2 / R-19	1SNA 094 369 R0300
20	CPFT2 / R-20	1SNA 094 370 R0000
21	CPFT2 / R-21	1SNA 094 371 R2500
22	CPFT2 / R-22	1SNA 094 372 R2600
23	CPFT2 / R-23	1SNA 094 373 R2700
24	CPFT2 / R-24	1SNA 094 374 R2000

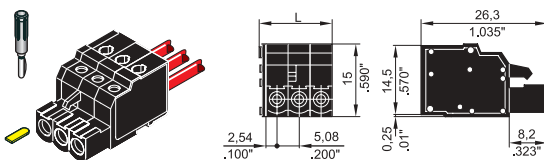
omnicconnect
P.C.B. connectors
Spring connection

Spacing 5.08 mm
 Body : UL94 V0
 CE

Characteristics

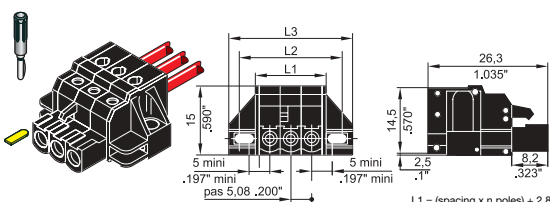
Wire size		IEC	UL	CSA
Solid*	0,12-2,5		26-12 AWG	26-12 AWG
Stranded*	0,12-2,5			
Voltage				
V	250	300	300	
Current				
A	12	12	12	
Rated wire size				
	2,5 mm ²	12 AWG	12 AWG	
Other characteristics				
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection	
8 mm .315"	3,5 mm .137"		IP 20 NEMA 1	

CPFT2 / L-...
Axial connection plug.
Wires parallel to connection



Number of poles	Type	Part number
Spacing 5.08 mm .200" black body		
2	CPFT2 / L-2	1SNA 097 402 R1100
3	CPFT2 / L-3	1SNA 097 403 R1200
4	CPFT2 / L-4	1SNA 097 404 R1300
5	CPFT2 / L-5	1SNA 097 405 R1400
6	CPFT2 / L-6	1SNA 097 406 R1500
7	CPFT2 / L-7	1SNA 097 407 R1600
8	CPFT2 / L-8	1SNA 097 408 R2700
9	CPFT2 / L-9	1SNA 097 409 R2000
10	CPFT2 / L-10	1SNA 097 410 R1400
11	CPFT2 / L-11	1SNA 097 411 R0100
12	CPFT2 / L-12	1SNA 097 412 R0200
13	CPFT2 / L-13	1SNA 097 413 R0300
14	CPFT2 / L-14	1SNA 097 414 R0400
15	CPFT2 / L-15	1SNA 097 415 R0500
16	CPFT2 / L-16	1SNA 097 416 R0600
17	CPFT2 / L-17	1SNA 097 417 R0700
18	CPFT2 / L-18	1SNA 097 418 R1000
19	CPFT2 / L-19	1SNA 097 419 R1100
20	CPFT2 / L-20	1SNA 097 420 R1600
21	CPFT2 / L-21	1SNA 097 421 R0300
22	CPFT2 / L-22	1SNA 097 422 R0400
23	CPFT2 / L-23	1SNA 097 423 R0500
24	CPFT2 / L-24	1SNA 097 424 R0600

CPFT2 / L- .../MT
Plug with flanges, axial connection.
Wires parallel to connection

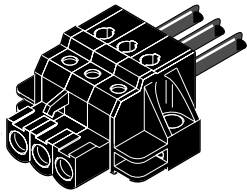


* Mounting on support

Number of poles	Type	Part number
Spacing 5.08 mm .200" black body		
2	CPFT2 / L-2/MT	1SNA 097 432 R0600
3	CPFT2 / L-3/MT	1SNA 097 433 R0700
4	CPFT2 / L-4/MT	1SNA 097 434 R0000
5	CPFT2 / L-5/MT	1SNA 097 435 R0100
6	CPFT2 / L-6/MT	1SNA 097 436 R0200
7	CPFT2 / L-7/MT	1SNA 097 437 R0300
8	CPFT2 / L-8/MT	1SNA 097 438 R1400
9	CPFT2 / L-9/MT	1SNA 097 439 R1500
10	CPFT2 / L-10/MT	1SNA 097 440 R2200
11	CPFT2 / L-11/MT	1SNA 097 441 R1700
12	CPFT2 / L-12/MT	1SNA 097 442 R1000
13	CPFT2 / L-13/MT	1SNA 097 443 R1100
14	CPFT2 / L-14/MT	1SNA 097 444 R1200
15	CPFT2 / L-15/MT	1SNA 097 445 R1300
16	CPFT2 / L-16/MT	1SNA 097 446 R1400
17	CPFT2 / L-17/MT	1SNA 097 447 R1500
18	CPFT2 / L-18/MT	1SNA 097 448 R2600
19	CPFT2 / L-19/MT	1SNA 097 449 R2700
20	CPFT2 / L-20/MT	1SNA 097 450 R2400
21	CPFT2 / L-21/MT	1SNA 097 451 R1100
22	CPFT2 / L-22/MT	1SNA 097 452 R1200
23	CPFT2 / L-23/MT	1SNA 097 453 R1300
24	CPFT2 / L-24/MT	1SNA 097 454 R1400

omnicconnect
P.C.B. connectors
Screw-clamp connection
or Spring connection

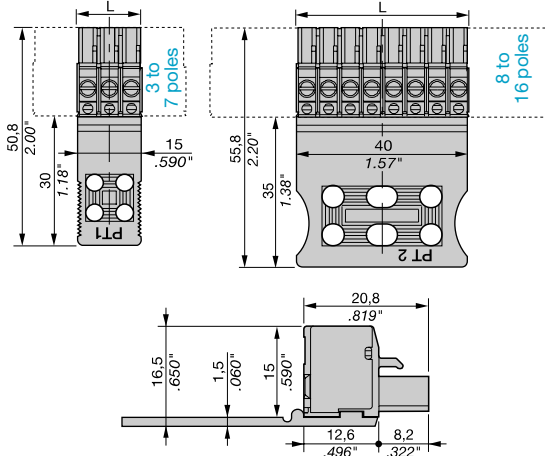
Spacing 5.08 mm
 Body : UL94 V0



Other products and accessories are available in our "Printed circuit board devices" catalog. Consult us.

CPFT2 / ... / PT or CPFT2 / 5... / PT
Cable clamp plug,
wires parallel to connection

Screw-clamp connection



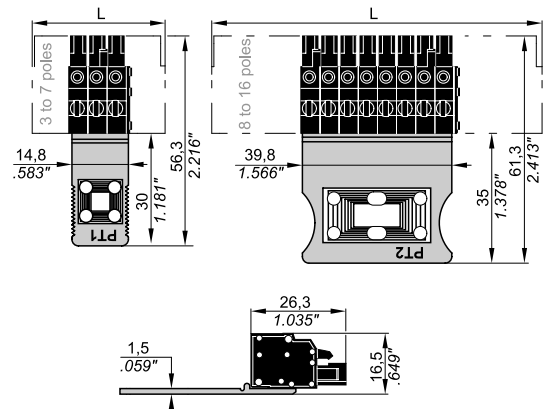
Number of poles **Type** **Part number**

Spacing 5,08 mm .200" black body

Number of poles	Type	Part number
3	CPFT2 / 3 / PT	1SNA 094 523 R0600
4	CPFT2 / 4 / PT	1SNA 094 524 R0700
5	CPFT2 / 5 / PT	1SNA 094 525 R0000
6	CPFT2 / 6 / PT	1SNA 094 526 R0100
7	CPFT2 / 7 / PT	1SNA 094 527 R0200
8	CPFT2 / 8 / PT	1SNA 094 528 R1300
9	CPFT2 / 9 / PT	1SNA 094 529 R1400
10	CPFT2 / 10 / PT	1SNA 094 530 R1100
11	CPFT2 / 11 / PT	1SNA 094 531 R0600
12	CPFT2 / 12 / PT	1SNA 094 532 R0700
13	CPFT2 / 13 / PT	1SNA 094 533 R0000
14	CPFT2 / 14 / PT	1SNA 094 534 R0100
15	CPFT2 / 15 / PT	1SNA 094 535 R0200
16	CPFT2 / 16 / PT	1SNA 094 536 R0300

CPFT2 / L- .../PT
Cable clamp plug, axial connection
Wires parallel to connection

Spring connection



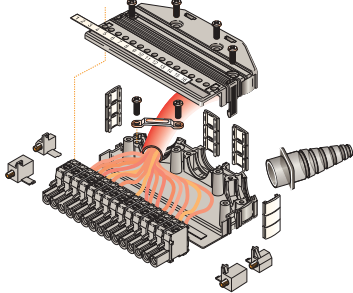
Number of poles **Type** **Part number**

Spacing 5,08 mm .200" black body

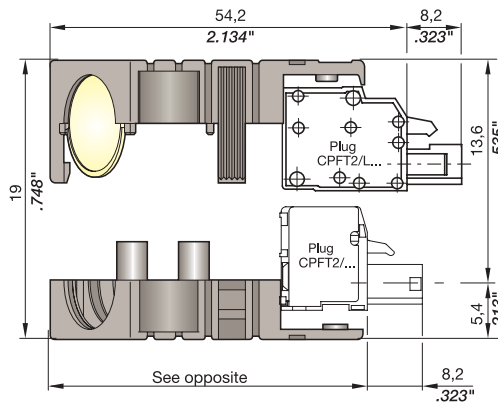
Number of poles	Type	Part number
3	CPFT2 / L-3/PT	1SNA 097 583 R0600
4	CPFT2 / L-4/PT	1SNA 097 584 R0700
5	CPFT2 / L-5/PT	1SNA 097 585 R0000
6	CPFT2 / L-6/PT	1SNA 097 586 R0100
7	CPFT2 / L-7/PT	1SNA 097 587 R0200
8	CPFT2 / L-8/PT	1SNA 097 588 R1300
9	CPFT2 / L-9/PT	1SNA 097 589 R1400
10	CPFT2 / L-10/PT	1SNA 097 590 R1100
11	CPFT2 / L-11/PT	1SNA 097 591 R0600
12	CPFT2 / L-12/PT	1SNA 097 592 R0700
13	CPFT2 / L-13/PT	1SNA 097 593 R0000
14	CPFT2 / L-14/PT	1SNA 097 594 R0100
15	CPFT2 / L-15/PT	1SNA 097 595 R0200
16	CPFT2 / L-16/PT	1SNA 097 596 R0300
17	CPFT2 / L-17/PT	1SNA 097 597 R0400
18	CPFT2 / L-18/PT	1SNA 097 598 R1500
19	CPFT2 / L-19/PT	1SNA 097 599 R1600
20	CPFT2 / L-20/PT	1SNA 097 600 R0300
21	CPFT2 / L-21/PT	1SNA 097 601 R2000
22	CPFT2 / L-22/PT	1SNA 097 602 R2100
23	CPFT2 / L-23/PT	1SNA 097 603 R2200
24	CPFT2 / L-24/PT	1SNA 097 604 R2300

Housing kits

Spacing 5.08 mm
 Body : UL94 V0



CPFIC5 / ...
Plug housings



Number of poles **Type** **Part number**

Spacing 5,08 mm .200" black body

Number of poles	Type	Part number
3	CPFIC5 / 3	1SNA 299 337 R0500
4	CPFIC5 / 4	1SNA 299 249 R2500
6	CPFIC5 / 6	1SNA 299 064 R0700
8	CPFIC5 / 8	1SNA 299 253 R1100
10	CPFIC5 / 10	1SNA 299 257 R1500
11	CPFIC5 / 11	1SNA 299 261 R1100
12	CPFIC5 / 12	1SNA 299 265 R1500
16	CPFIC5 / 16	1SNA 299 286 R0300
18	CPFIC5 / 18	1SNA 299 292 R0100
20	CPFIC5 / 20	1SNA 299 298 R1700
24	CPFIC5 / 24	1SNA 299 304 R1500

3 poles housing cable Ø : 4 to 7 mm
 4 poles housing cable Ø : 4 to 9 mm
 This kit includes: 1 separator + 1 cover + 1 strap

6 poles housing cable Ø : 3 to 12 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

8 poles housing cable Ø : 4 to 15 mm
 10 to 12 poles housing cable Ø : 4 to 15 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

16 to 24 poles housing cable Ø : 4 to 15 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

Accessories

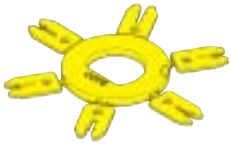
Type **Part number** **P/N black** **P/N grey**

1	Insert sleeve (8 to 24 poles cover)	1SNA 179 518 R0200	
2	Plastic strap	1SNA 177 442 R2400	
3	Tightening screw	1SNA 179 507 R0000	
4	Tightening flange	1SNA 178 801 R0600	
		1SNA 176 192 R1100	

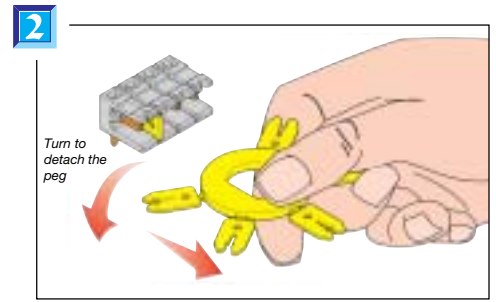
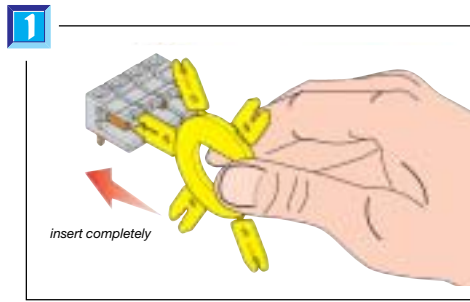
omniconnect CODING ACCESSORIES

Coding peg COPE

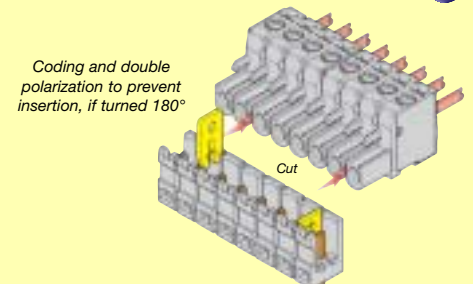
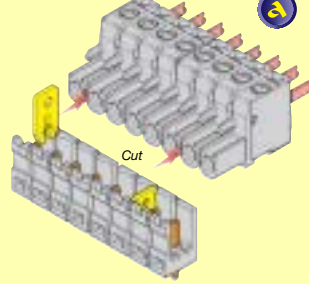
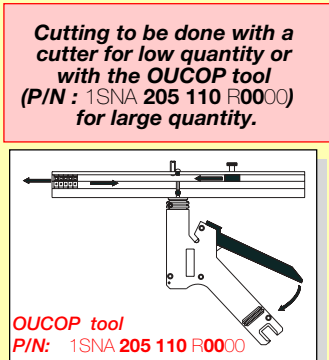
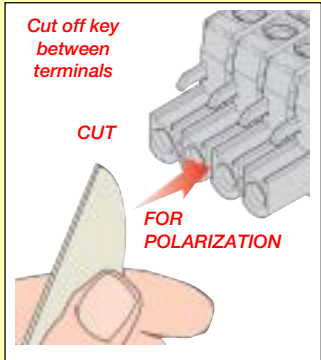
1SNA 199 322 R2200



RECOMMENDED SOLUTION
Efficient system with few parts.

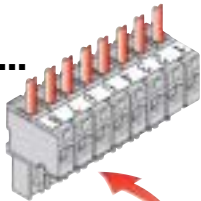


CODING EXAMPLES



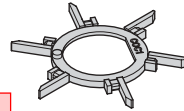
The plug of example **a** cannot be mounted on the socket **b** and vice versa

Terminal blocks MA 2,5/5 - CPE...

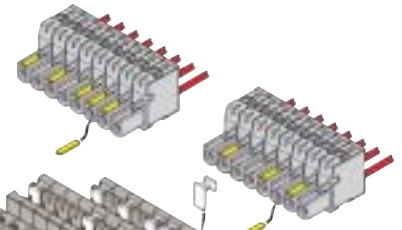


Coding peg COC1

1SNA 299 777 R1600



for Terminal blocks MA 2,5/5D2 ... - 2CPE...



CAUTION!

The 2 outputs for plugs are inverted. **Blocking highly recommended.**

If one set is not used, mount blocking pegs to prevent a plug from being mounted on the output.

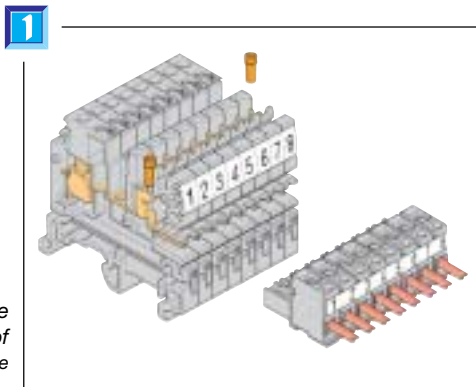
If both outputs are used, coding is highly recommended.

Blocking peg COCF 32

1SNA 173 660 R1600

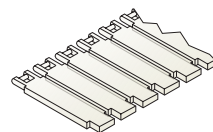


Blocking peg to be mounted on the pins of the unused output (to be ordered separately).

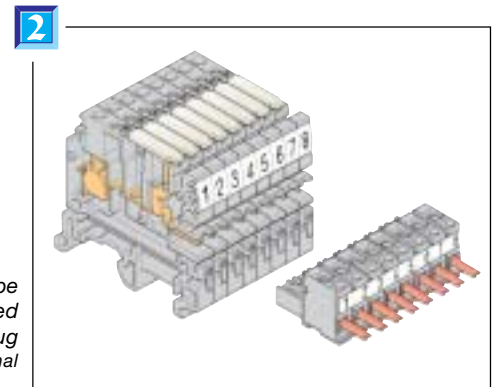


Detachable protection CPF 5,08

1SNA 199 323 R2300



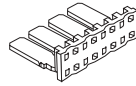
Detachable protection to be mounted on the unused connection part of the plug (supplied with the terminal block).



Accessories

PCMS

Comb-type jumper



This accessory permits the electrical connection of 2 to 22 blocks.

No. of poles	Grey UL94V0	Red UL94V0	Blue UL94V0	Green/Yellow UL94V0
2	1SNA 205 491 R2300	1SNA 205 492 R2400	1SNA 205 493 R2500	1SNA 205 494 R2600
3	1SNA 205 495 R2700	1SNA 205 496 R2800	1SNA 205 497 R2900	1SNA 205 498 R3000
4	1SNA 205 499 R0300	1SNA 205 500 R1000	1SNA 205 501 R0500	1SNA 205 502 R0600
5	1SNA 205 503 R0700	1SNA 205 504 R0800	1SNA 205 505 R0900	1SNA 205 506 R2000
6	1SNA 205 507 R0300	1SNA 205 508 R1400	1SNA 205 509 R1500	1SNA 205 510 R0100
7	1SNA 205 511 R2600	1SNA 205 512 R2700	1SNA 205 513 R2000	1SNA 205 514 R2100
8	1SNA 205 515 R2200	1SNA 205 516 R2300	1SNA 205 517 R2400	1SNA 205 518 R0500
9	1SNA 205 519 R0600	1SNA 205 520 R0300	1SNA 205 521 R2000	1SNA 205 522 R2100
10	1SNA 205 523 R2200	1SNA 205 524 R2300	1SNA 205 525 R2400	1SNA 205 526 R2500
11	1SNA 205 527 R2600	1SNA 205 528 R0700	1SNA 205 529 R0800	1SNA 205 530 R0500
12	1SNA 205 531 R2200	1SNA 205 532 R2300	1SNA 205 533 R2400	1SNA 205 534 R2500
13	1SNA 205 535 R2600	1SNA 205 536 R2700	1SNA 205 537 R2000	1SNA 205 538 R0100
14	1SNA 205 539 R0200	1SNA 205 540 R1700	1SNA 205 541 R0400	1SNA 205 542 R0500
15	1SNA 205 543 R0600	1SNA 205 544 R0700	1SNA 205 545 R0800	1SNA 205 546 R0100
16	1SNA 205 547 R0200	1SNA 205 548 R1300	1SNA 205 549 R1400	1SNA 205 550 R1100
17	1SNA 205 551 R0600	1SNA 205 552 R0700	1SNA 205 553 R0800	1SNA 205 554 R0100
18	1SNA 205 555 R0200	1SNA 205 556 R0300	1SNA 205 557 R0400	1SNA 205 558 R1500
19	1SNA 205 559 R1600	1SNA 205 560 R1300	1SNA 205 561 R0800	1SNA 205 562 R0100
20	1SNA 205 563 R0200	1SNA 205 564 R0300	1SNA 205 565 R0400	1SNA 205 566 R0500
21	1SNA 205 567 R0600	1SNA 205 568 R1700	1SNA 205 569 R1000	1SNA 205 570 R1500
22	1SNA 205 571 R0200	1SNA 205 572 R0300	1SNA 205 573 R0400	1SNA 205 574 R0500

BFMS AUTO

Fuse plugs

32 V / 2 A	BFMSAUTO	1SNA 205 812 R2400
32 V / 3 A	BFMSAUTO	1SNA 205 813 R2500
32 V / 5 A	BFMSAUTO	1SNA 205 814 R2600



BF5 AUTO

Fuse plugs with extractor

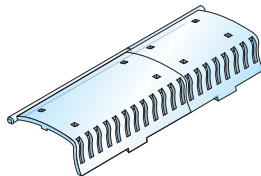
32 V / 2 A	BF5AUTO	1SNA 205 815 R2700
32 V / 3 A	BF5AUTO	1SNA 205 816 R2000
32 V / 5 A	BF5AUTO	1SNA 205 817 R2100



CPMS

Protective cover

12 or 20 poles protective cover	1SNA 205 227 R0100
34 poles protective cover	1SNA 206 163 R0200



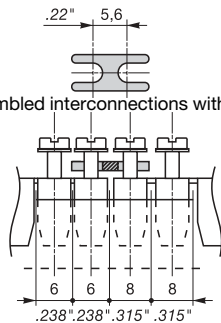
EL

Connector plate

This accessory is used for connecting electrically two assembled interconnections with 5 mm spacing.



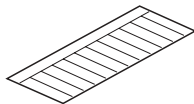
EL6 1SNA 173 627 R2100



RTMS

Marking strip CPMS for protective cover

12 poles label	1SNA 206 530 R0600
20 poles label	1SNA 206 531 R2300
34 poles label	1SNA 206 532 R2400



BJM...

Assembled jumper bar

Two versions of this accessory are available.

Fractionable model, composed of captive screws on a jumper bar system. This accessory can be used for connecting consecutive blocks only.

IP20 without protection



Current Capacity, Amps

BJM5 for MA 2,5/5 blocks

24 A	2 poles	1SNA 176 273 R0100
24 A	3 poles	1SNA 176 274 R0200
24 A	4 poles	1SNA 176 275 R0300
24 A	5 poles	1SNA 176 276 R0400
24 A	10 poles	1SNA 176 277 R0500

IP20 with protection



Current Capacity, Amps

BJMI5 for MA 2,5/5 blocks

24 A	2 poles	1SNA 176 278 R1600
24 A	3 poles	1SNA 176 279 R1700
24 A	4 poles	1SNA 176 280 R0500
24 A	5 poles	1SNA 176 281 R2200
24 A	10 poles	1SNA 176 282 R2300

PEF

Identification label holders

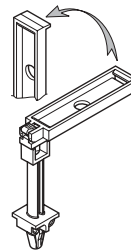
Designed to hold RPEV label (see opposite).

PEF *	1SNA 020 568 R0400
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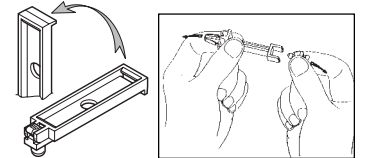
* Come with labels.

The label holders are removable and the labels can be changed easily.

- Mounted on PCB in a 3.7 mm diameter hole.



- For mounting on a PCB block in a 2 mm diameter hole (no support leg).



RPEV

Label for PEF 29 x 6 mm

Sheets of 99 pre-cut labels

✓ Blank

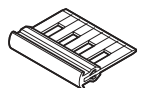
RPEV	1SNA 173 178 R0700
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PC2MS

PC2MS shunt

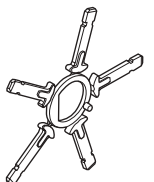
10 poles	1SNA 400 169 R1700
12 poles	1SNA 400 215 R0500
20 poles	1SNA 400 170 R1400
34 poles	1SNA 400 171 R0100



SCMS

Separator

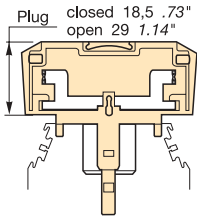
SCMS	1SNA 400 172 R0200
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BNS5

Plug with solder tags

Compatible with electronic components and fuses.



BNS5 1SNA116702 R2400

Max. diameter or thickness for component :
- Plug BNS5 : 3 mm / .118" maxi.

Soldered fuses 250 V

FUBS	0,5 A	1SNA174893 R1600
FUBS	1 A	1SNA174894 R1700
FUBS	2 A	1SNA174895 R1000
FUBS	3 A	1SNA174896 R1100
FUBS	5 A	1SNA174897 R1200

CB

Shield connector



Delivered separately, this bar of treated brass is mounted in the lower part of the terminal block. It ensures the continuity of the shield connection. The connection to the shield connector can be made either by soldering or by 2,8 x 0,5 mm or 2,8 x 0,8 mm quick connect tabs.

Notch available for bridging all shieldings. This accessory overlaps on each side of the block by about 13,5 mm.

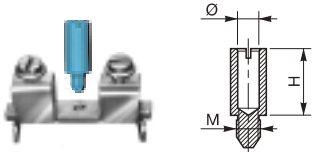
Use of this bar reduces insulation between terminal and ground, working voltage must be derated (consult us if necessary).

CBM8	1SNA 178 746 R1500
CBM5	1SNA 178 745 R1400

AL

Test socket

This accessory is screwed into the tapped holes of the connector bar of the terminal blocks. Some blocks are delivered socket mounted. This socket receives an **FC** test plug.



The test sockets are characterized by their internal diameter.

Ø 2 mm H = 11.7 mm .079" DIA. .461" H
M2,6 AL2 1SNA 163 046 R2400

SC

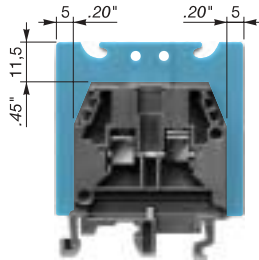
Circuit separator and separator end section

Snap-on end sections for blocks / separators

SCF

An SCF separator is snapped onto the terminal block before mounting on the rail. It can also be used as an end section.

✓ With possibility of mounting a protective cover CPM, and a marker-holder PEP.



For blocks : **MA 2,5/5**

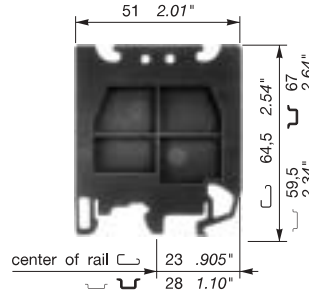
Thickness : 3 mm .118"

SCF6 grey 1SNA 118 707 R0300

Snap-on end sections for rails / separators

SCFM6

✓ With possibility of mounting a protective cover CPM, and a marker-holder PEP. Mounting on **PR1, PR3, PR4** and **PR5** rails



For blocks : **M 4/6**

M 6/8

M 10/10

Thickness : 3 mm .118"

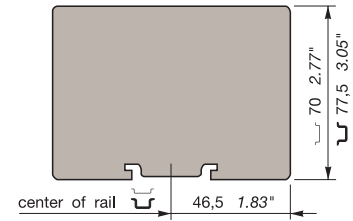
SCFM6 grey 1SNA 114 825 R0500

SCFEX

Separator for use with explosive atmosphere terminal blocks.

It can also be used for blocks spacing 5 to 16 mm.

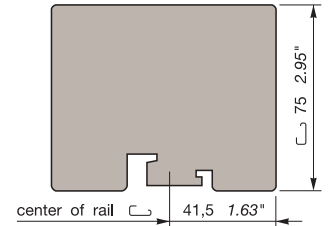
✓ Mounting on **PR3** and **PR5** rails



Thickness : 2,4 mm .094"

SCFEX3* grey 1SNA 103 620 R0100

✓ Mounting on **PR1** rail only.



Thickness : 2,4 mm .094"

SCFEX1* grey 1SNA 103 619 R0400

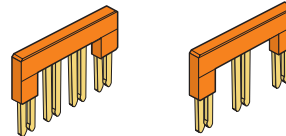
* When the block used has snap-on feature use circuit separator SCF.

BJDL

Jumper bar for spring blocks with same spacing

For blocks spacing 5 mm .200"

BJDL5.2	2points	1SNA 291 102 R2300
BJDL5.3	3points	1SNA 291 103 R2400
BJDL5.4	4points	1SNA 291 104 R2500
BJDL5.5	5points	1SNA 291 105 R2600
BJDL5.6	6points	1SNA 291 106 R2700
BJDL5.7	7points	1SNA 291 107 R2000
BJDL5.8	8points	1SNA 291 108 R0100
BJDL5.9	9points	1SNA 291 109 R0200
BJDL5.10	10points	1SNA 291 110 R2800



DC

Test device on screw head

This patented device is mounted on the round screwdriver opening. It is used for trouble shooting, measuring and control for monitoring and repairing an installation, on blocks without a test socket. For this, the device receives an **FC2** test plug.

The DC's are differentiated by their colour :

blue for **MA 2,5/5** blocks

DCB 1SNA 105 028 R2100

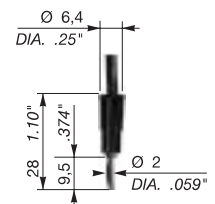


FC

Test plug

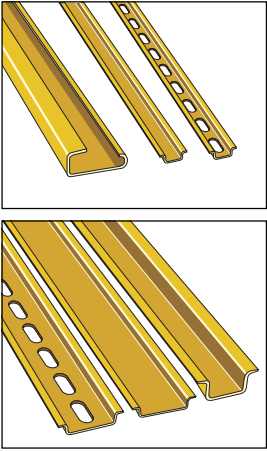
These accessories, when used with measuring or control equipment, are used for trouble shooting or testing of a circuit, on the blocks equipped with a test socket or by use of a test device (for **FC2** only).

Test plug DIA. 2 mm .079" (soldered connection : 1 mm² max. - 18 AWG)



FC2 1SNA 007 865 R2600

Mounting rails
Asymmetrical - DIN 1
Symmetrical - DIN 2
Symmetrical - DIN 3



The "Series 5000" terminal blocks snap onto the PR1 asymmetrical DIN 1 rails described here.

The rails are often used as grounding bars. The current carrying capacity of the rails and the copper wire sizes required to carry that current are given below.

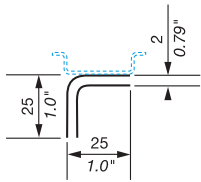
RAIL CURRENT CARRYING CAPACITY

Rail	Material	Current (A)	Wire size AWG	mm ²
TS 32	Steel	143	2	35
TS 32 ALU	Aluminium	265	000	95
TS 35/F6	Steel	65	8	10
TS 35	Steel	87	6	16
TS 35/C	Steel	125	4	25
TS 35/C1	Steel	143	2	35

EM

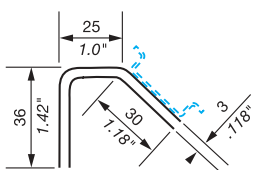
Rail offset brackets

These accessories are available with all rail describes on this page.



Deflection 90°

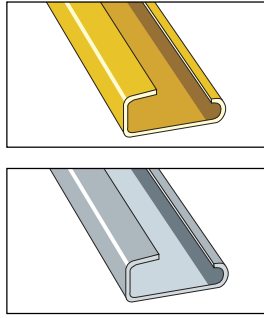
EM90 1SNA 008 520 R0100



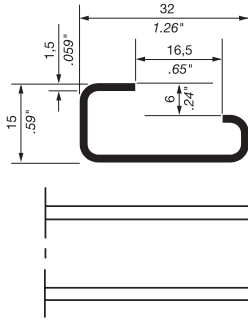
Deflection 45°

EM45 1SNA 008 521 R2600

TS 32 / TS 32 ALU

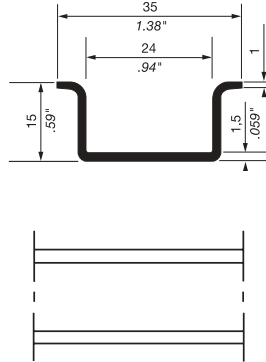
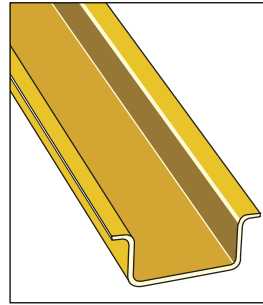


Asymmetrical 32 mm 1.26" G rail in compliance with EN 50035 standard (DIN 46277-1 - NFC 63018) DIN 1



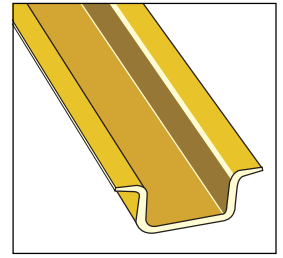
Type	P/N
PR1.Z2 (TS 32)	1SNA 163 050 R0400
Zinc bichromate plated steel, length 2 m 6'6" (78") approx.	
PR1.A2 (TS 32 ALU)	1SNA 167 120 R2300
Aluminum alloy length 3 m 9'9" (117") approx.	
PR1.Z3	1SNA 167 100 R0000
Zinc bichromate plated steel, length 3 m 9'9" (117") approx.	

TS 35/C

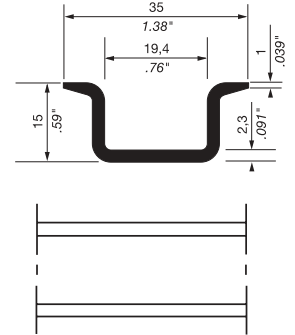


Type	P/N
PR5 (TS 35/C)	1SNA 168 700 R2200
Zinc bichromate plated steel, length 2 m 6'6" (78") approx.	

TS 35/C1

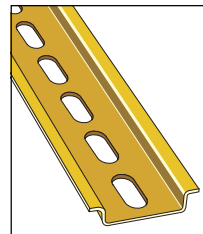


rail in compliance with EN 50022 (NFC 63015) DIN 3

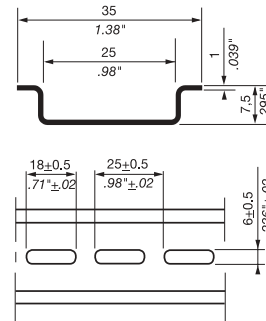


Type	P/N
PR4 (TS 35/C1)	1SNA 168 500 R1200
Zinc bichromate plated steel, length 2 m 6'6" (78") approx.	

TS 35/F6

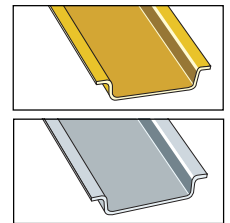


In compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3

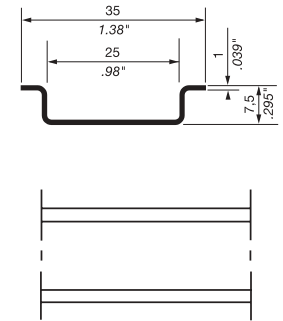


Type	P/N
PR30 (TS 35/F6)	1SNA 173 220 R0500
Zinc bichromate plated steel, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.	

TS 35



In compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3

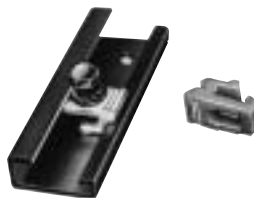


Type	P/N
PR3.Z2 (TS 35)	1SNA 174 300 R1700
Zinc bichromate plated steel, length 2 m 6'6" (78") approx.	
PR3.G2 (TS 35)	1SNA 164 800 R0300
White, passivated galvanized steel, length 2 m 6'6" (78") approx.	

FX

Mounting nuts

Two nuts, embedded into a 12 mm wide polyamide body, are used for fixing devices on PR1 rail. They stick on the rail. Mounting of the blocks is made using screws (length = width to be tightened + 10 mm). In the table hereunder, the first digit concerns the hole located on the upper side of the rail.



Thread	Colour	Type	Part number
M4-M6	white	FX M4/M6	1SNA 163 215 R2200
M6-M4	grey	FX M6/M4	1SNA 163 910 R2700
M3-M5	yellow	FX M3/M5	1SNA 163 811 R1000
M5-M3	black	FX M5/M3	1SNA 163 911 R1400
M4	blue	FX M4	1SNA 163 912 R1500
M3	green	FX M3	1SNA 163 913 R1600

BA
End stops

The end stops are mounted at the extremity of the terminal board assembly, giving additional support to the terminal blocks as markers. For various types of marking, refer to the marker section

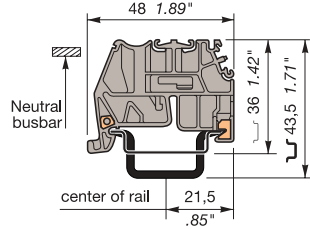
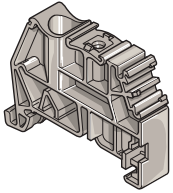
BADL

Screwless, snaps on rail without tool. V0 grey polyamide for DIN 3 rail. Maintained in place and locked on the rail with metal grips.

To reposition, do not slide on the rail. Withdraw and snap again (screwdriver DIA. 6,5 mm .256" max.)

Thickness : 9 mm .354"

BADL grey 1SNA 199 408 R0200



BAM

Multi-rail end stop of grey V2 or V0 polyamide equipped with 2 blocking screws allows mounting on PR1, PR3, PR4 and PR5 (DIN 1, DIN 3) rails.

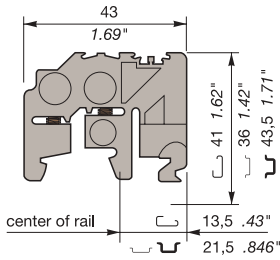
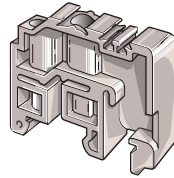
Recommended screwdriver : DIA. 5,5 mm .217"

Recommended torque :

Min. 0,8 mN - Max. 1 mN

Min. 7.1 lb.in - Max. 8.9 lb.in

Thickness : 9,1 mm .358"



BAM grey 1SNA 103 002 R2600

BAM V0 beige 1SNA 199 306 R0300

BAMH

Multi-rail end stop of V2 or V0 polyamide equipped with 2 blocking screws allows mounting on PR1, PR3, PR4 and PR5 (DIN 1, DIN 3) rails. Suitable for double deck blocks.

Recommended screwdriver :

DIA. 5,5 mm .217"

Recommended torque :

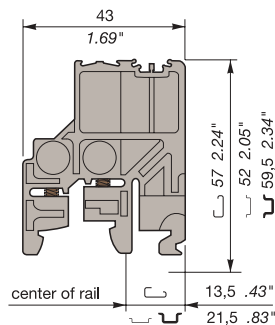
Min. 0,8 mN - Max. 1 mN

Min. 7.1 lb.in - Max. 8.9 lb.in

Thickness : 9,1 mm .358"

BAMH grey 1SNA 114 836 R0000

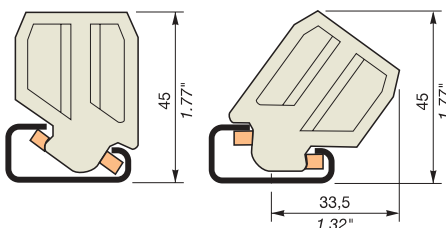
BAMH V0 beige 1SNA 194 836 R0100



BAR

Reversible end stop of beige polyamide with blocking bracket. To be mounted vertically or at 30° angle, on PR1 rail only.

Thickness : 10 mm .394"



BAR beige 1SNA 164 519 R2400

BADH, BAEH

Tall end stop of polyamide, for use with M 70/22, M 95/26 blocks, power blocks, double or triple deck blocks, and electronic interface modules series 7000, 8000, 10000, 11000 and 30000.

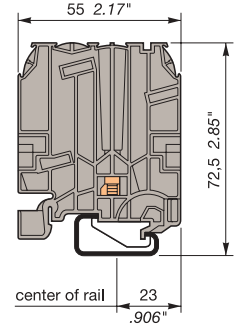
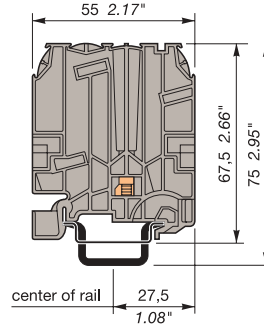
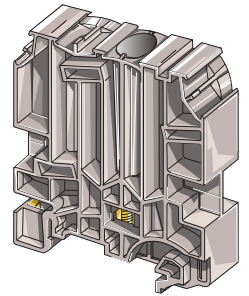
Snaps on rail - Easy mounting and repositioning, even between 2 blocks.

Recommended screwdriver : DIA. 5,5 mm .217"

Recommended torque : Min. 1,2 Nm - Max. 1,4 Nm

Min. 10.6 lb.in - Max. 12.3 lb.in

Thickness : 12 mm .472"



BADH grey 1SNA 116 900 R2700

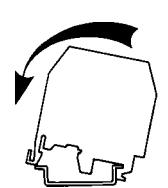
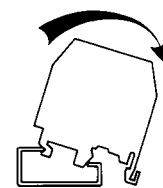
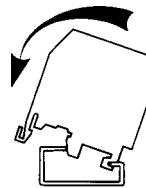
BAEH grey 1SNA 116 934 R0400

BAEH beige 1SNA 196 934 R0500

Terminal blocks mounting

on PR1 rail

on PR3, PR30, PR4, PR5 rail



To be mounted vertically

To be mounted at 30° angle

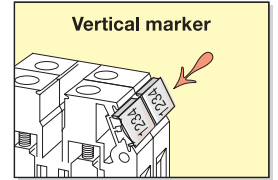
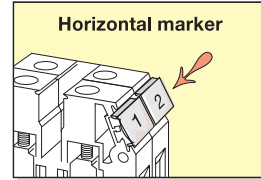
To be mounted vertically

(only for screw-screw)

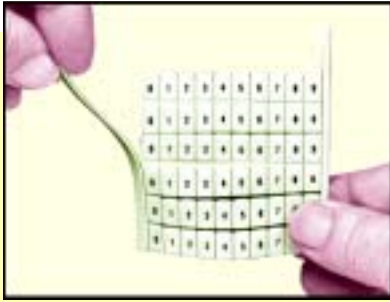
RC Standard marker cards

Marking method **5** **10**

Each marker card contains 10 strips of 10 markers, i.e. 100 markers per card. Marker cards are white polyamide 6 moulding with black lettering.



How to use



1

Remove one of the side bands of the card.



2

Separate the chosen strip from the rest of the card.



3

- Marking with strips of 10 markers for blocks with 5.6 and 8 mm spacing: Press the first marker in place, hold it, and press the rest of the strip with your thumb.

- Single markers: Press the chosen marker in place, hold it, and tear off the rest of the strip.

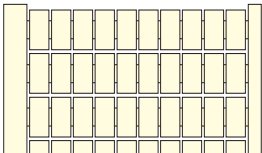
Marker sizes

RC55
5 x 5 mm .197" x .197" markers.
Can be used on blocks from 5 mm .197" spacing, with possibility of mounting 1 or 2 markers per housing.

RC510
5 x 10 mm .197" x .395" markers.
Can be used on blocks from 5 mm .197" spacing, with possibility of mounting 1 markers per housing.

Blank card

Blank marker cards



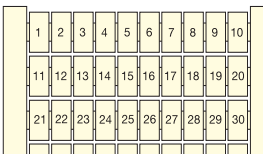
RC55

RC510

1SNA 230 000 R1200 1SNA 231 000 R0700

Horizontal marking of numbers

Horizontal marking
Increasing order



RC55

RC510

1 → 100	1SNA 230 030 R0700	1SNA 231 030 R2400
101 → 200	1SNA 230 031 R2400	1SNA 231 031 R1100
201 → 300	1SNA 230 032 R2500	1SNA 231 032 R1200
301 → 400	1SNA 230 033 R2600	1SNA 231 033 R1300
401 → 500	1SNA 230 034 R2700	1SNA 231 034 R1400
501 → 600	1SNA 230 035 R2000	1SNA 231 035 R1500
601 → 700	1SNA 230 036 R2100	1SNA 231 036 R1600
701 → 800	1SNA 230 037 R2200	1SNA 231 037 R1700
801 → 900	1SNA 230 038 R0300	1SNA 231 038 R2000
901 → 1000	1SNA 230 039 R0400	1SNA 231 039 R2100
1001 → ...	1SNA 230 071 R0400	1SNA 231 071 R2100

* Part number identical for each group of numbers - On request indicate marking

Horizontal marking

Repeated increasing order 10 times



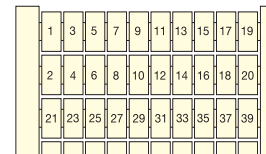
RC55

RC510

0 → 9	1SNA 230 001 R0700	1SNA 231 001 R2400
1 → 10	1SNA 230 002 R0000	1SNA 231 002 R2500
11 → 20	1SNA 230 003 R0100	1SNA 231 003 R2600
21 → 30	1SNA 230 004 R0200	1SNA 231 004 R2700
31 → 40	1SNA 230 005 R0300	1SNA 231 005 R2000
41 → 50	1SNA 230 006 R0400	1SNA 231 006 R2100
51 → 60	1SNA 230 007 R0500	1SNA 231 007 R2200
61 → 70	1SNA 230 008 R1600	1SNA 231 008 R0300
71 → 80	1SNA 230 009 R1700	1SNA 231 009 R0400
81 → 90	1SNA 230 010 R0300	1SNA 231 010 R2000
91 → 100	1SNA 230 011 R2000	1SNA 231 011 R1500
101 → 110	1SNA 230 012 R2100	1SNA 231 012 R1600
111 → 120	1SNA 230 013 R2200	1SNA 231 013 R1700
121 → 130	1SNA 230 014 R2300	1SNA 231 014 R1000
131 → 140	1SNA 230 015 R2400	1SNA 231 015 R1100
141 → 150	1SNA 230 016 R2500	1SNA 231 016 R1200
151 → 160	1SNA 230 017 R2600	1SNA 231 017 R1300
161 → 170	1SNA 230 018 R0700	1SNA 231 018 R2400
171 → 180	1SNA 230 019 R0000	1SNA 231 019 R2500
181 → 190	1SNA 230 020 R0500	1SNA 231 020 R2200
191 → 200	1SNA 230 021 R2200	1SNA 231 021 R1700
201 → ...	} 1SNA 230 022 R2300* 1SNA 231 022 R1000*	
... → 999		

Horizontal marking of numbers

Horizontal marking
Alternate even/odd numbered for 2 deck block M 4/6.D



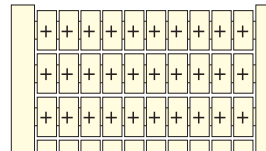
RC55

RC510

1 → 20	1SNA 232 133 R1500	1SNA 233 133 R1600
21 → 40	1SNA 232 134 R1600	1SNA 233 134 R1700
41 → 60	1SNA 232 135 R1700	1SNA 233 135 R1000
61 → 80	1SNA 232 136 R1000	1SNA 233 136 R1100
81 → 100	1SNA 232 137 R1100	1SNA 233 137 R1200

Horizontal marking of conventional symbols

Horizontal marking
Repeated identical symbols



RC55

RC510

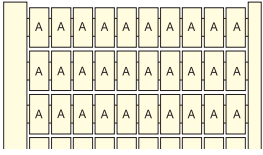
100 x +	1SNA 230 111 R2100	1SNA 231 111 R1600
100 x -	1SNA 230 112 R2200	1SNA 231 112 R1700
100 x ~	1SNA 230 114 R2400	1SNA 231 114 R1100
100 x =	1SNA 230 113 R2300	1SNA 231 113 R1000
100 x ⊥	1SNA 230 115 R2500	1SNA 231 115 R1200

RC Standard marker cards(cont.)

Marking method 5

Horizontal marking of letters

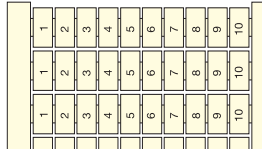
Horizontal marking
Repeated identical letters



	RC55	RC510
100 x A	1SNA 230 150 R1400	1SNA 231 150 R0100
100 x B	1SNA 230 151 R0100	1SNA 231 151 R2600
100 x C	1SNA 230 152 R0200	1SNA 231 152 R2700
100 x D	1SNA 230 153 R0300	1SNA 231 153 R2000
100 x E	1SNA 230 154 R0400	1SNA 231 154 R2100
100 x F	1SNA 230 155 R0500	1SNA 231 155 R2200
100 x G	1SNA 230 156 R0600	1SNA 231 156 R2300
100 x H	1SNA 230 157 R0700	1SNA 231 157 R2400
100 x I	1SNA 230 158 R1000	1SNA 231 158 R0500
100 x J	1SNA 230 159 R1100	1SNA 231 159 R0600
100 x K	1SNA 230 160 R1600	1SNA 231 160 R0300
100 x L	1SNA 230 161 R0300	1SNA 231 161 R2000
100 x M	1SNA 230 162 R0400	1SNA 231 162 R2100
100 x N	1SNA 230 163 R0500	1SNA 231 163 R2200
100 x O	1SNA 230 164 R0600	1SNA 231 164 R2300
100 x P	1SNA 230 165 R0700	1SNA 231 165 R2400
100 x Q	1SNA 230 166 R0000	1SNA 231 166 R2500
100 x R	1SNA 230 167 R0100	1SNA 231 167 R2600
100 x S	1SNA 230 168 R1200	1SNA 231 168 R0700
100 x T	1SNA 230 169 R1300	1SNA 231 169 R0000
100 x U	1SNA 230 170 R1000	1SNA 231 170 R0500
100 x V	1SNA 230 171 R0500	1SNA 231 171 R2200
100 x W	1SNA 230 172 R0600	1SNA 231 172 R2300
100 x X	1SNA 230 173 R0700	1SNA 231 173 R2400
100 x Y	1SNA 230 174 R0000	1SNA 231 174 R2500
100 x Z	1SNA 230 175 R0100	1SNA 231 175 R2600

Vertical marking of numbers

Vertical marking
Increasing order repeated 10 times



	RC55	RC510
0 → 9	1SNA 230 040 R1100	1SNA 231 040 R0600
1 → 10	1SNA 230 041 R0600	1SNA 231 041 R2300
11 → 20	1SNA 230 042 R0700	1SNA 231 042 R2400
21 → 30	1SNA 230 043 R0000	1SNA 231 043 R2500
31 → 40	1SNA 230 044 R0100	1SNA 231 044 R2600
41 → 50	1SNA 230 045 R0200	1SNA 231 045 R2700
51 → 60	1SNA 230 046 R0300	1SNA 231 046 R2000
61 → 70	1SNA 230 047 R0400	1SNA 231 047 R2100
71 → 80	1SNA 230 048 R1500	1SNA 231 048 R0200
81 → 90	1SNA 230 049 R1600	1SNA 231 049 R0300
91 → 100	1SNA 230 050 R1300	1SNA 231 050 R0000
101 → 110	1SNA 230 051 R0000	1SNA 231 051 R2500
111 → 120	1SNA 230 052 R0100	1SNA 231 052 R2600
121 → 130	1SNA 230 053 R0200	1SNA 231 053 R2700
131 → 140	1SNA 230 054 R0300	1SNA 231 054 R2000
141 → 150	1SNA 230 055 R0400	1SNA 231 055 R2100
151 → 160	1SNA 230 056 R0500	1SNA 231 056 R2200
161 → 170	1SNA 230 057 R0600	1SNA 231 057 R2300
171 → 180	1SNA 230 058 R1700	1SNA 231 058 R0400
181 → 190	1SNA 230 059 R1000	1SNA 231 059 R0500
191 → 200	1SNA 230 072 R0500	1SNA 231 072 R2200
201 → ...	1SNA 230 073 R0600*	1SNA 231 073 R2300*
... → 999		

*Reference identical for each group of numbers - on request indicate marking.

Ex: 1SNA 230 073 R0600 : 301 to 310

Vertical marking
Increasing order



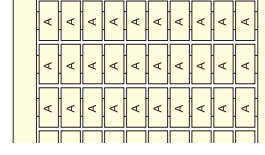
	RC55	RC510
1 → 100	1SNA 230 060 R1500	1SNA 231 060 R0200
101 → 200	1SNA 230 061 R0200	1SNA 231 061 R2700
201 → 300	1SNA 230 062 R0300	1SNA 231 062 R2000
301 → 400	1SNA 230 063 R0400	1SNA 231 063 R2100
401 → 500	1SNA 230 064 R0500	1SNA 231 064 R2200
501 → 600	1SNA 230 065 R0600	1SNA 231 065 R2300
601 → 700	1SNA 230 066 R0700	1SNA 231 066 R2400
701 → 800	1SNA 230 067 R0000	1SNA 231 067 R2500
801 → 900	1SNA 230 068 R1100	1SNA 231 068 R0600
901 → 1000	1SNA 230 069 R1200	1SNA 231 069 R0700
1001 → ...	1SNA 230 070 R1700*	1SNA 231 070 R0400*

* Reference identical for each group of numbers - on request indicate marking.

Ex: 1SNA 230 070 R1700 : 1001 to 1100

Vertical marking of symbols

Vertical marking
Repeated identical symbols



	RC55	RC510
100 x A	1SNA 230 180 R0300	1SNA 231 180 R2000
100 x B	1SNA 230 181 R2000	1SNA 231 181 R1500
100 x C	1SNA 230 182 R2100	1SNA 231 182 R1600
100 x D	1SNA 230 183 R2200	1SNA 231 183 R1700
100 x E	1SNA 230 184 R2300	1SNA 231 184 R1000
100 x F	1SNA 230 185 R2400	1SNA 231 185 R1100
100 x G	1SNA 230 186 R2500	1SNA 231 186 R1200
100 x H	1SNA 230 187 R2600	1SNA 231 187 R1300
100 x I	1SNA 230 188 R0700	1SNA 231 188 R2400
100 x J	1SNA 230 189 R0000	1SNA 231 189 R2500
100 x K	1SNA 230 190 R0500	1SNA 231 190 R2200
100 x L	1SNA 230 191 R2200	1SNA 231 191 R1700
100 x M	1SNA 230 192 R2300	1SNA 231 192 R1000
100 x N	1SNA 230 193 R2400	1SNA 231 193 R1100
100 x O	1SNA 230 194 R2500	1SNA 231 194 R1200
100 x P	1SNA 230 195 R2600	1SNA 231 195 R1300
100 x Q	1SNA 230 196 R2700	1SNA 231 196 R1400
100 x R	1SNA 230 197 R2000	1SNA 231 197 R1500
100 x S	1SNA 230 198 R0100	1SNA 231 198 R2600
100 x T	1SNA 230 199 R0200	1SNA 231 199 R2700
100 x U	1SNA 230 200 R2700	1SNA 231 200 R1400
100 x V	1SNA 230 201 R1400	1SNA 231 201 R0100
100 x W	1SNA 230 202 R1500	1SNA 231 202 R0200
100 x X	1SNA 230 203 R1600	1SNA 231 203 R0300
100 x Y	1SNA 230 204 R1700	1SNA 231 204 R0400
100 x Z	1SNA 230 205 R1000	1SNA 231 205 R0500

Other marking methods are possible: consult us or refer to "Product guide" catalog.



Summary

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07CR 41 - 24 V DC	7	1SNA 020 917 R1200	163	1SNA 021 463 R1000	33	1SNA 021 636 R1000	101	1SNA 026 115 R0000	83	1SNA 026 618 R2000	66
07CR 42 - 120 / 230 V	7	1SNA 020 918 R2300	163	1SNA 021 464 R1100	33	1SNA 021 637 R1500	101	1SNA 026 116 R0100	83	1SNA 026 619 R2100	66
07CR 42 - 24 V DC	7	1SNA 020 919 R2400	163	1SNA 021 465 R1200	33	1SNA 021 638 R2700	101	1SNA 026 117 R0200	83	1SNA 026 620 R2600	66
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07CT 42 - 24 V DC	7	1SNA 020 921 R1600	162	1SNA 021 479 R2000	51	1SNA 021 640 R0500	102	1SNA 026 119 R1400	83	1SNA 026 622 R1400	66
07DC92	10	1SNA 020 922 R1700	162	1SNA 021 480 R1600	51	1SNA 021 641 R2200	102	1SNA 026 120 R1100	83	1SNA 026 623 R1500	66
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07KR 51 - 24 V DC	7	1SNA 020 924 R1100	162	1SNA 021 482 R0400	51	1SNA 021 643 R2400	102	1SNA 026 122 R0700	83	1SNA 026 625 R1700	66
07KT 51 - 24 V DC	7	1SNA 020 927 R1400	173	1SNA 021 483 R0500	51	1SNA 021 644 R2500	102	1SNA 026 123 R0000	83	1SNA 026 626 R1000	66
140 ACI 03000	75, 77	1SNA 020 928 R2500	174	1SNA 021 484 R0600	51	1SNA 021 645 R2600	102	1SNA 026 124 R0100	83	1SNA 026 627 R1100	66
140 ACI 04000	75, 77	1SNA 020 929 R2600	175	1SNA 021 485 R0700	51	1SNA 021 646 R2700	102	1SNA 026 125 R0200	83	1SNA 026 628 R2200	66
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140 DAJ 45300	72	1SNA 021 027 R0600	155	1SNA 021 501 R1700	46	1SNA 021 656 R2100	102	1SNA 026 171 R1000	120	1SNA 026 638 R2400	61
140 DAJ 54000	73	1SNA 021 032 R0300	153	1SNA 021 502 R1000	46	1SNA 021 657 R2200	102	1SNA 026 172 R1100	120	1SNA 026 639 R2500	61
140 DAJ 54300	73	1SNA 021 033 R0400	155	1SNA 021 503 R1100	46	1SNA 021 880 R1700	58	1SNA 026 173 R1200	120	1SNA 026 640 R0200	61
140 DAJ 55300	72	1SNA 021 034 R0500	153	1SNA 021 504 R1200	46	1SNA 021 881 R0400	58	1SNA 026 174 R1300	120	1SNA 026 641 R2700	61
140 DAJ 74000	73	1SNA 021 035 R0600	155	1SNA 021 505 R1300	46	1SNA 021 882 R0600	58	1SNA 026 175 R1400	120	1SNA 026 642 R2000	61
140 DAJ 75300	72	1SNA 021 041 R1400	156	1SNA 021 506 R1400	46	1SNA 021 883 R0600	58	1SNA 026 176 R1500	120	1SNA 026 643 R2100	61
140 DAM 59000	72	1SNA 021 043 R1600	156	1SNA 021 507 R1500	46	1SNA 021 884 R0700	58	1SNA 026 177 R1600	120	1SNA 026 644 R2200	61
140 DAO 84000	73	1SNA 021 048 R2300	153	1SNA 021 508 R2600	47	1SNA 021 885 R0000	58	1SNA 026 178 R2700	120	1SNA 026 645 R2300	61
140 DAO 84010	73	1SNA 021 049 R2400	156	1SNA 021 509 R2700	47	1SNA 021 886 R0100	58	1SNA 026 179 R2000	120	1SNA 026 646 R2400	61
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140 DAO 84220	74	1SNA 021 051 R1600	156	1SNA 021 511 R3000	47	1SNA 021 888 R1000	58	1SNA 026 181 R0100	121	1SNA 026 648 R0600	61
140 DAO 85300	72	1SNA 021 052 R1700	154	1SNA 021 512 R0100	47	1SNA 021 889 R1100	58	1SNA 026 182 R1200	121	1SNA 026 649 R0700	61
140 DDJ 15310	72	1SNA 021 053 R1000	157	1SNA 021 513 R0200	47	1SNA 021 890 R1100	58	1SNA 026 189 R1300	121	1SNA 026 650 R0400	61
140 DDJ 35300	72	1SNA 021 054 R1100	154	1SNA 021 514 R0300	47	1SNA 021 891 R0600	58	1SNA 026 190 R1000	121	1SNA 026 651 R2100	61
140 DDJ 35310	72	1SNA 021 055 R1200	157	1SNA 021 515 R0400	47	1SNA 021 892 R0700	58	1SNA 026 191 R0500	121	1SNA 026 652 R2200	61
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1746-NI 4	104	1SNA 021 395 R1400	40	1SNA 021 544 R1100	74	1SNA 021 921 R0300	56	1SNA 026 220 R2000	72	1SNA 026 681 R1000	24, 25
1746-NO 4 1	104	1SNA 021 396 R1500	40	1SNA 021 545 R1200	74	1SNA 021 922 R0400	56	1SNA 026 221 R2100	72	1SNA 026 682 R1100	24, 25
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15NA 026 854 R1700	62	15NA 027 503 R1700	46	15NA 027 658 R1000	58	15NA 028 125 R1400	83	15NA 028 574 R2600	87	15NA 028 771 R0400	107
15NA 026 855 R1600	62	15NA 027 504 R1000	46	15NA 027 659 R2000	58	15NA 028 126 R1500	83	15NA 028 575 R2700	87	15NA 028 772 R0400	107
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