

# Terminal block assemblies : Interfast MS



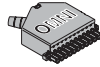
## Summary

<b>B1 - Screw connection interfaces</b> .....	126
<b>B2 - Screw decoupling interfaces</b> .....	140
<b>B3 - Universal interfaces</b> .....	147
<b>B4 - Spring connection interfaces</b> .....	149

B

1

# interfast MS

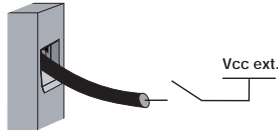


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range



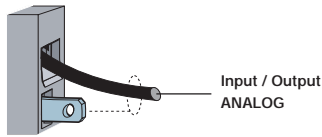
## Applications

Single-wire interface



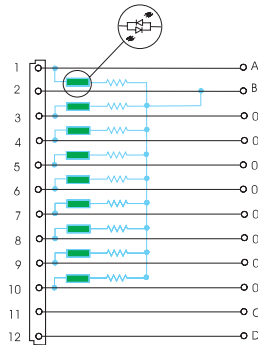
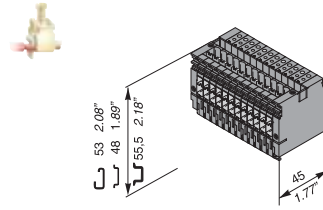
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Single-wire Interface with shield connector



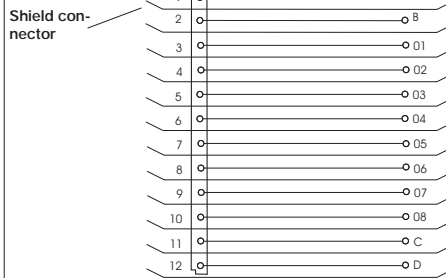
## Single-wire interface with terminal blocks MA 2,5/5 - CPE

Spacing 71 mm 2.79"



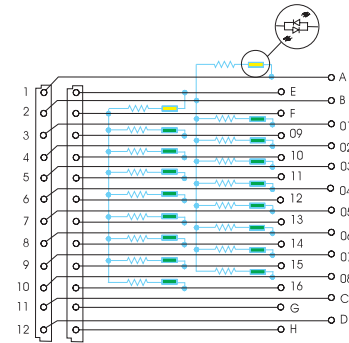
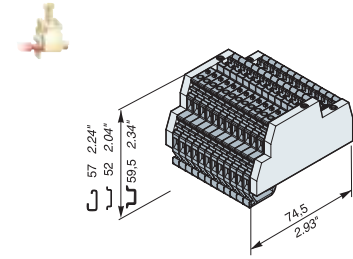
Blue schematic: products equipped with LED

Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).



## Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

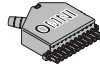
Spacing 71 mm 2.799"



Blue schematic: products equipped with LED

Part numbers	Type	Part number	Type	Part number
8 channels without LED	BOM-8	0621 016.11		
8 channels with LEDs	BOM-8-L	0621 018.23		
2x8 channels without compact LED	B2OM-16	0631 000.00		
2x8 channels with compact LEDs	B2OM-16-L	0631 002.26		
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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	
Accessories	Type	P/N	Type	P/N
Jumper bar	BJM5	See section on accessories	BJM5	See section on accessories
Jumper bar	BJMI5	See section on accessories	BJMI5	See section on accessories
Comb jumper	PC5	See section on accessories	PC5	See section on accessories
Connector plate	EL6	0173 627.21	EL6	0173 627.21
Fuse plug				
Test plug	FC2	∅ 2 mm 0007 865.26	FC2	∅ 2 mm 0007 865.26
Test device	DCB	blue 0105 028.21	DCB	blue 0105 028.21
Coding	COC1	0299 777.16	COC1	0299 777.16
Shield connector th. 0,5	CBM5	0178 745.14		
Shield connector th. 0,8	CBM8	0178 746.15		
Omniconnect plug	CPFT2 12 poles	See section on accessories	CPFT2 12 poles	See section on accessories
See section on marking methods	RC510		RC510	

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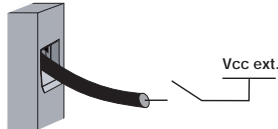


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range

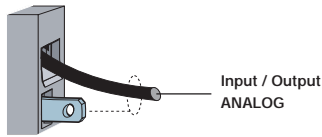


## Applications

Single-wire interface

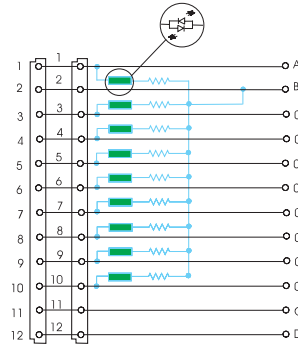
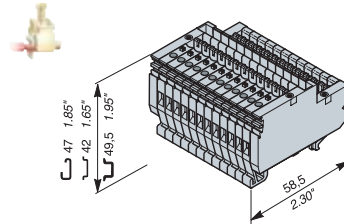


Single-wire Interface with shield connector



## Single-wire interface with terminal blocks MA2,5/5-2CPE

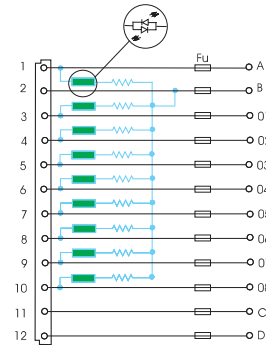
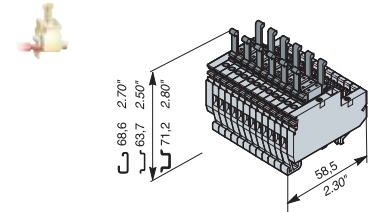
Spacing 71 mm 2.79"



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		BOM-8	0631 004.20	BOM-8-F	0631 012.17
8 channels with LEDs		BOM-8-L	0631 006.22	BOM-8-LF	0631 014.11

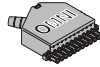
  

Characteristics	Without LED	With LEDs	Without LED	With LEDs
	Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		3 A
Current per LED		5 mA		5 mA
Fuse on the power supply				3 A
Fuse per point				2 A
Test voltage	3 kV	0,5 kV	0,5 kV	0,5 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

Accessories		Type	P/N	Type	P/N
	1 Jumper bar	BJM5	See section on accessories		
	2 Jumper bar	BJMI5	See section on accessories		
	3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
	4 Connector plate	EL6	0173 627.21		
	5 Fuse plug			BF5 Auto	See section on accessories
	6 Test plug	FC2	0007 865.26	FC2	0007 865.26
	7 Test device	DCB	0105 028.21	DCB	0105 028.21
	8 Coding	COC1	0299 777.16	COC1	0299 777.16
	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

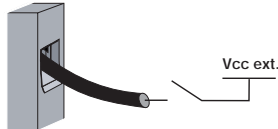


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range



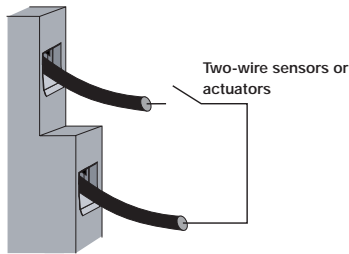
## Applications

Single-wire  
Interface



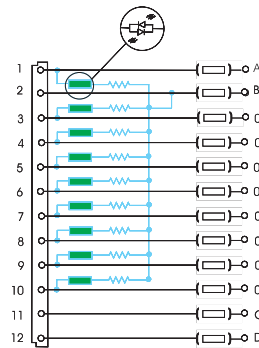
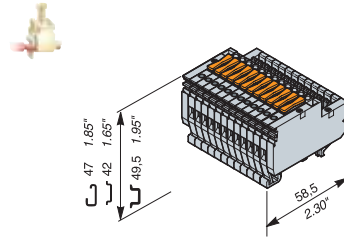
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Two-wire  
Interface



## Interruptible single-wire interface with terminal blocks MA2,5/5-SNB-CPE

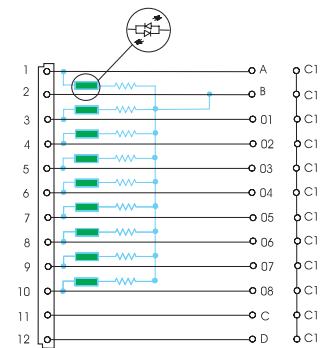
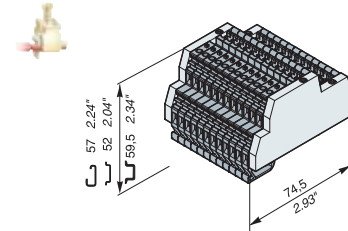
Spacing 71 mm 2.79"



Blue schematic:  
products equipped  
with LED

## Two-wire interface with terminal blocks MA2,5/5D2-2CPE

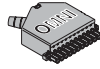
Spacing 71 mm 2.79"



Blue schematic:  
products equipped  
with LED

Part numbers		Type	Part number	Type	Part number
8 channels without LED		BOM-8-S	0631 016.13	BOM-8-B	0631 024.13
8 channels with LEDs		BOM-8-SL	0631 018.25	BOM-8-BL	0631 026.15
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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	
Accessories		Type	P/N	Type	P/N
	1 Jumper bar			BJM5	See section on accessories
	2 Jumper bar			BJMI5	See section on accessories
	3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
	4 Connector plate			EL6	0173 627.21
	5 Fuse plug				
	6 Test plug	FC2	∅ 2 mm 0007 865.26	FC2	∅ 2 mm 0007 865.26
	7 Test device	DCB	blue 0105 028.21	DCB	blue 0105 028.21
	8 Coding	COC1	0299 777.16	COC1	0299 777.16
	9 Plug with solder tags				
	10 Soldered fuses				
	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	

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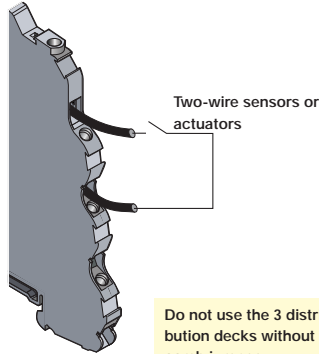


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range



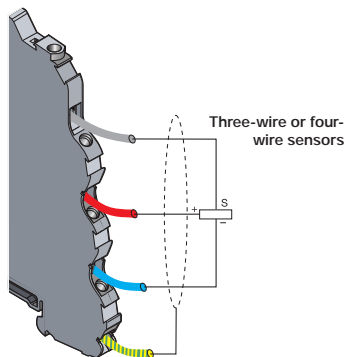
## Applications

### Two-wire Interface



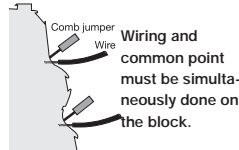
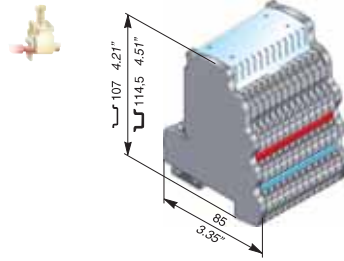
Do not use the 3 distribution decks without the comb jumper.

### Three-wire / four-wire Interface

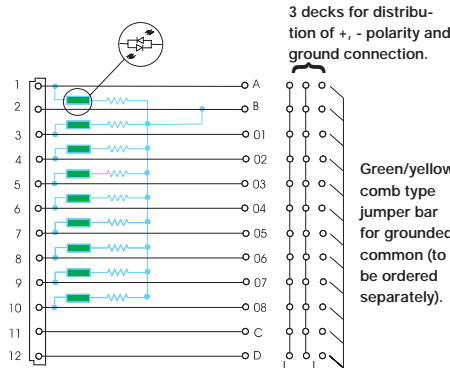


## Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.

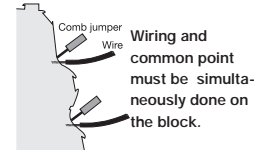
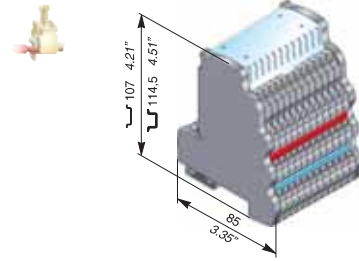


+ and - commons connected using red and blue comb type jumper bar delivered mounted.

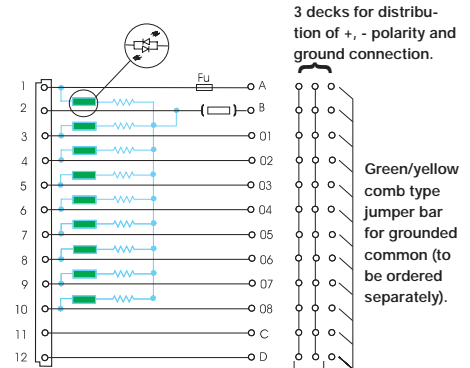
Blue schematic: products equipped with LED

## Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.



+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

### Part numbers

8 channels without LED	0
8 channels with LEDs	1

Type	Part number
BOM 8/LL/T-PI	0631 054.21
BOM 8/LL/TL-PI	0631 052.27

Type	Part number
BOM 8/FS/T-PI	0631 062.21
BOM 8/FS/TL-PI	0631 060.03

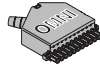
### Characteristics

	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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	12 poles	0205 532.23
	2 Comb jumper Blue	PCMS	12 poles	0205 533.24
	3 Comb jumper Grey	PCMS	12 poles	0205 531.22
	4 Comb jumper Green/Yellow	PCMS	12 poles	0205 534.25
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		
			BFMS AUTO	See section on accessories
			CPFT2	12 poles See section on accessories
			RC55	

# interfast MS

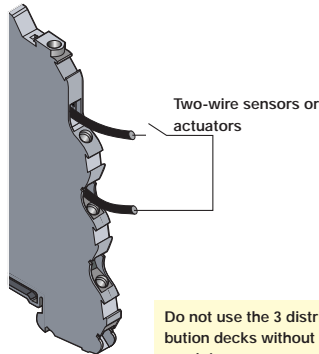


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range



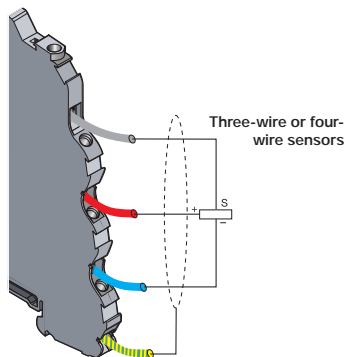
## Applications

### Two-wire Interface



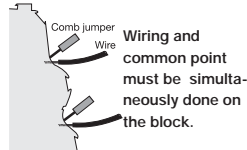
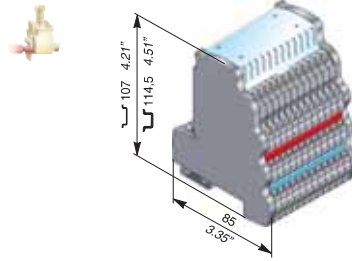
Do not use the 3 distribution decks without the comb jumper.

### Three-wire / four-wire Interface

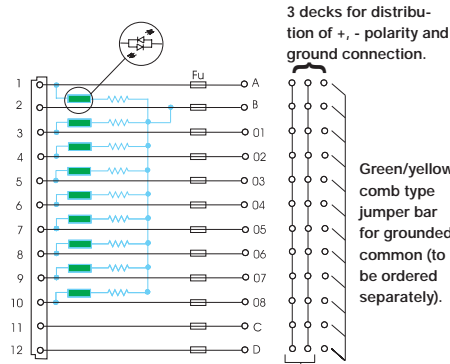


## Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.



+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

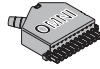
Fuse type: 297 Series Littlefuse

Part numbers		Type	Part number	Type	Part number
8 channels without LED	0	BOM 8/FF/TF-PI	0		0631 098.26
8 channels with LEDs	1	BOM 8/FF/TFL-PI	1		0631 096.14

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 <sup>2</sup>			

Accessories		Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	12 poles		0205 532.23
	2 Comb jumper Blue	PCMS	12 poles		0205 533.24
	3 Comb jumper Grey	PCMS	12 poles		0205 531.22
	4 Comb jumper Green/Yellow	PCMS	12 poles		0205 534.25
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

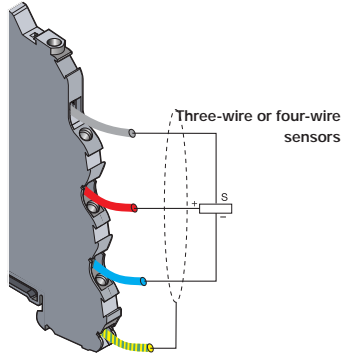


PLC connection interface  
8 channels  
with screw-clamp connection  
Omniconnect product range

DIN 3

## Applications

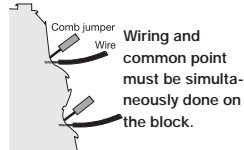
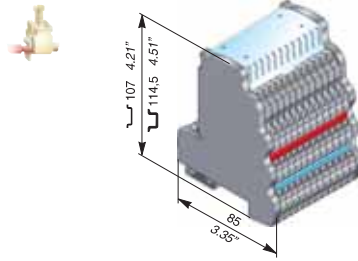
Three-wire / four-wire  
Interface



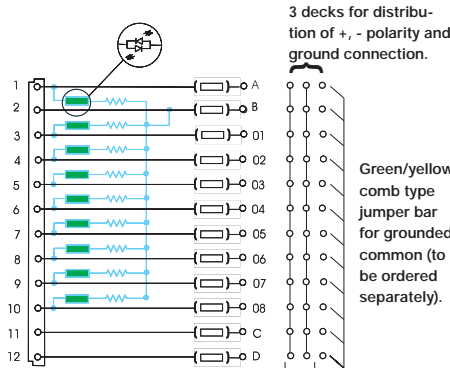
Do not use the 3 distribution decks without the comb jumper.

## Interruptible three-wire or four-wire interface with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.

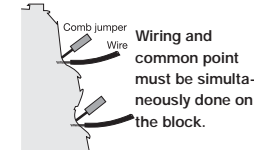
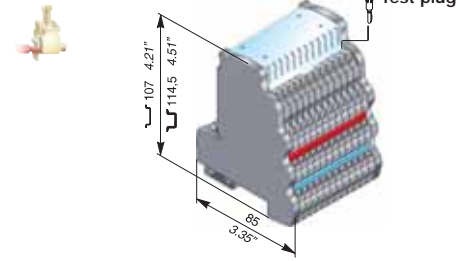


+ and - commons connected using red and blue comb type jumper bar delivered mounted.

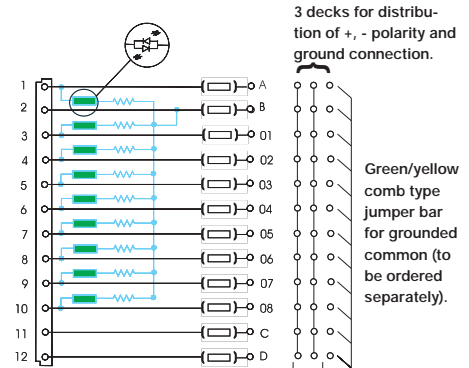
Blue schematic: products equipped with LED

## Interruptible three-wire or four-wire interface with test points with terminal blocks D2,5/5-SNBT-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.



+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

### Part numbers

8 channels without LED	0
8 channels with LEDs	1

Type	Part number
BOM 8/SS/TS-PI	0631 082.16
BOM 8/SS/TSL-PI	0631 080.20

Type	Part number
BOM 8/SS/TS1-PI	0631 118.26
BOM 8/SS/TS1L-PI	0631 116.14

### Characteristics

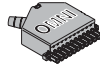
	Without LED		With LEDs	
	250 V AC/DC	2 A	30 V DC	5 mA
Maximum voltage	250 V AC/DC	2 A	30 V DC	5 mA
Maximum current per point	2 A	5 A	5 mA	5 mA
Maximum current in common wires	5 A			
Current per LED				5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 12 poles 0205 532.23	PCMS Other numbers 12 poles 0205 532.23	
	2 Comb jumper Blue	PCMS of poles. Please 12 poles 0205 533.24	PCMS of poles. Please 12 poles 0205 533.24	
	3 Comb jumper Grey	PCMS see accessories section. 12 poles 0205 531.22	PCMS see accessories section. 12 poles 0205 531.22	
	4 Comb jumper Green/Yellow	PCMS 12 poles 0205 534.25	PCMS 12 poles 0205 534.25	
	5 MS plug			
	6 Test plug			
	7 Fuse plug			
	8 Omniconnect plug	CPFT2 12 poles See section on accessories	CPFT2 12 poles See section on accessories	
	R See section on marking methods	RC55	RC55	
			FC2	Ø 2 mm 0007 865.26



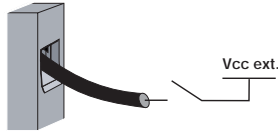
# interfast MS



PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range

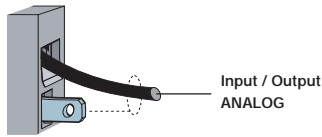
DIN 3  
Applications

Single-wire  
Interface



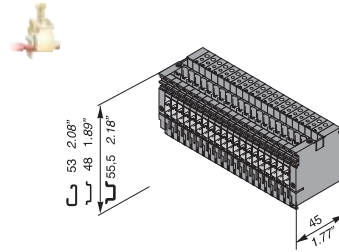
B  
1

Single-wire  
Interface  
with shield connector

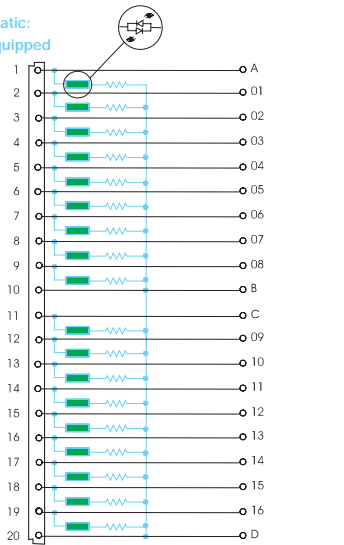


## Single-wire interface with terminal blocks MA2,5/5-CPE

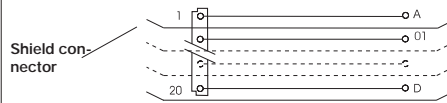
Spacing 112 mm 4.41"



Blue schematic:  
products equipped  
with LED

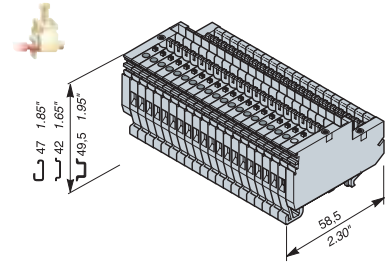


Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).

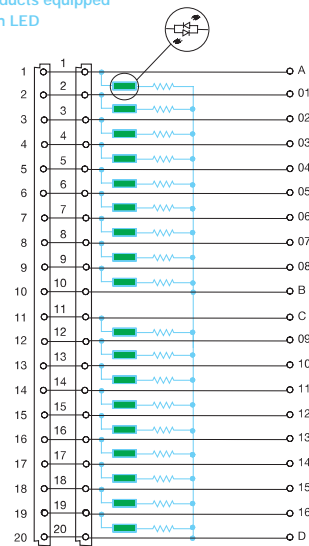


## Single-wire interface with terminal blocks MA2,5/5-2CPE

Spacing 112 mm 4.41"



Blue schematic:  
products equipped  
with LED



### Part numbers

16 channels without LED



Type

BOM-16

Part number

0621 017.12

Type

BOM-16

Part number

0631 005.21

16 channels with LEDs



BOM-16-L

0621 019.24

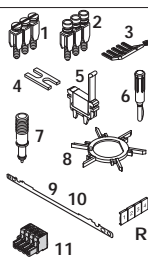
BOM-16-L

0631 007.23

### 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories



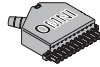
Type	P/N
BJM5	See section on accessories
BJMI5	See section on accessories
PC5	See section on accessories
EL6	0173 627.21
FC2	∅ 2 mm 0007 865.26
DCB	0105 028.21
COC1	blue 0299 777.16
CBM5	0178 745.14
CBM8	0178 746.15
CPFT2	See section on accessories
RC510	20 poles See section on accessories

Type	P/N
BJM5	See section on accessories
BJMI5	See section on accessories
PC5	See section on accessories
EL6	0173 627.21
FC2	∅ 2 mm 0007 865.26
DCB	0105 028.21
COC1	blue 0299 777.16
CPFT2	20 poles See section on accessories
RC510	See section on accessories

Type	P/N
BJM5	See section on accessories
BJMI5	See section on accessories
PC5	See section on accessories
EL6	0173 627.21
FC2	∅ 2 mm 0007 865.26
DCB	blue 0105 028.21
COC1	0299 777.16
CPFT2	20 poles See section on accessories
RC510	See section on accessories



# interfast MS

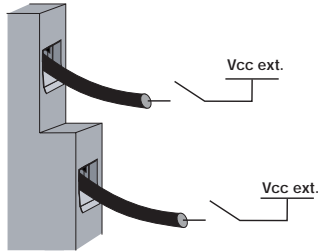


PLC connection interface  
2x16 channels  
with screw-clamp connection  
Omniconnect product range

DIN 3

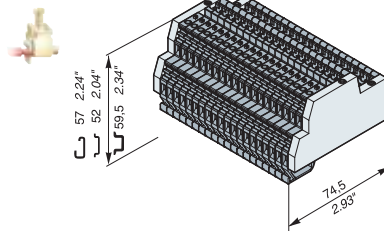
## Applications

Single-wire  
Interface

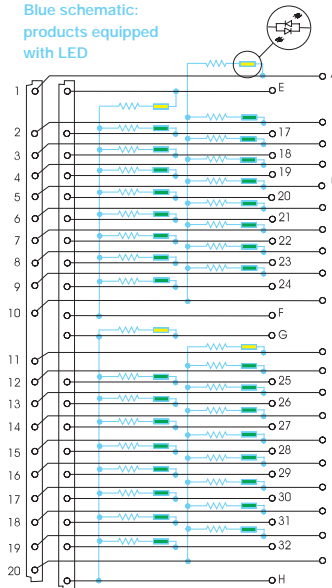


# Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:  
products equipped  
with LED



## Part numbers

	Type	Part number
2x16 channels without compact LED	B2OM-32	0631 001.25
2x16 channels with compact LEDs	B2OM-32-L	0631 003.27

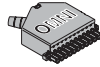
## Characteristics

	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 <sup>2</sup>	

## Accessories

	Type	P/N
1 Jumper bar	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories
4 Connector plate	EL6	0173 627.21
5 Fuse plug		
6 Test plug	FC2	∅ 2 mm 0007 865.26
7 Test device	DCB	0105 028.21
8 Coding	COC1	blue 0299 777.16
9 Omniconnect plug	CPFT2	
R See section on marking methods	RC510 20 poles	See section on accessories

# interfast MS

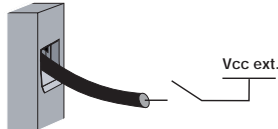


PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range



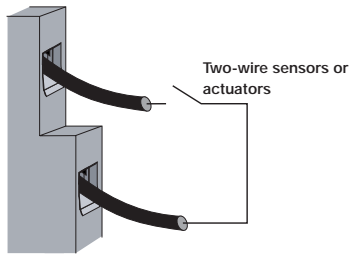
## Applications

Single-wire  
Interface



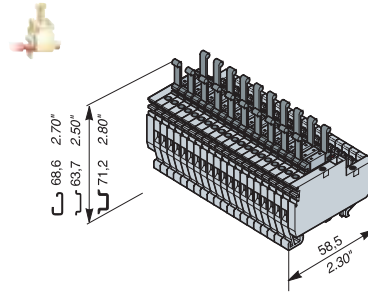
B  
1

Two-wire  
Interface

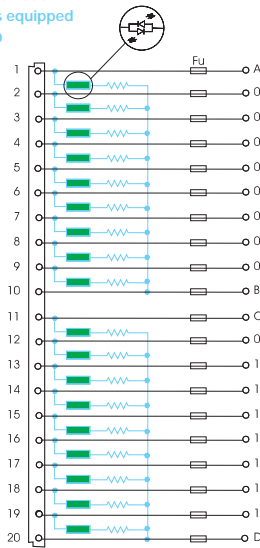


## Single-wire interface with fuse on each I/O with terminal blocks MA2,5/5-SFA-CPE

Spacing 112 mm 4.41"



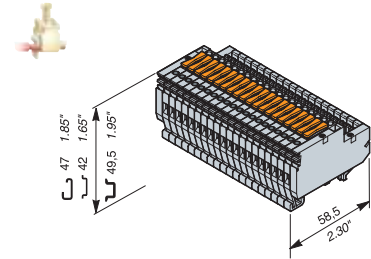
Blue schematic:  
products equipped  
with LED



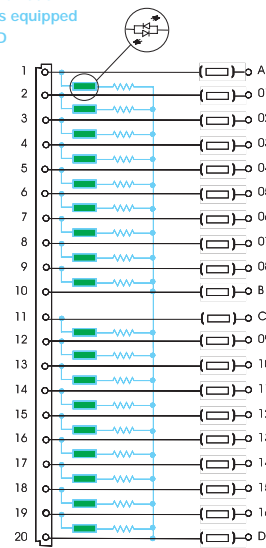
Fuse type: 297 Series Littlefuse

## 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

16 channels without LED



Type

BOM-16-F

Page number

0631 013.10

Type

BOM-16-S

Page number

0631 017.14

16 channels with LEDs



BOM-16-LF

0631 015.12

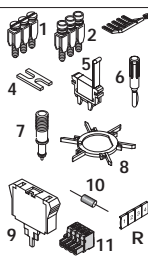
BOM-16-SL

0631 019.26

### 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories



Type	P/N
PC5	See section on accessories
BF5 AUTO	See section on accessories
FC2	∅ 2 mm 0007 865.26
DCB	blue 0105 028.21
COC1	0299 777.16
CPFT2 20 poles	See section on accessories
RC510	

Type

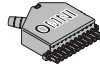
P/N

Type

P/N

PC5	See section on accessories
FC2	∅ 2 mm 0007 865.26
DCB	blue 0105 028.21
COC1	0299 777.16
CPFT2 20 poles	See section on accessories
RC510	

# interfast MS

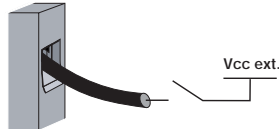


PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range

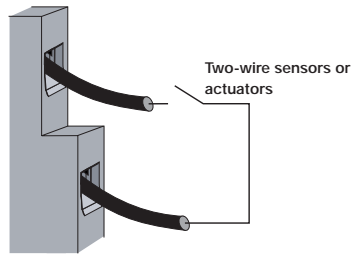
DIN 3

## Applications

Single-wire  
Interface

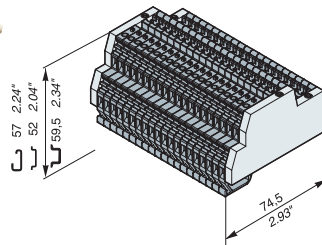


Two-wire  
Interface

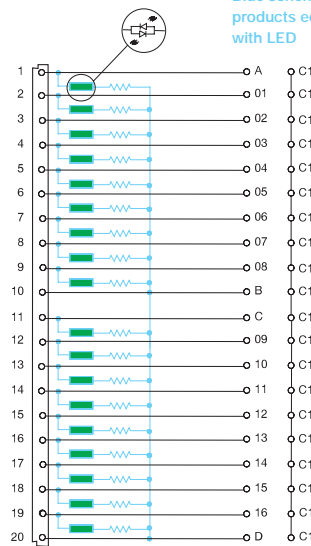


## Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:  
products equipped  
with LED



### Page numbers

	Type	Page number
16 channels without LED	BOM-16-B	0631 025.14
16 channels with LEDs	BOM-16-BL	0631 027.16

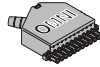
### Characteristics

	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 <sup>2</sup>	

### Accessories

	Type	P/N
1 Jumper bar	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories
4 Connector plate	EL6	0173 627.21
5 Fuse plug		
6 Test plug	FC2	∅ 2 mm 0007 865.26
7 Test device	DCB	blue 0105 028.21
8 Coding	COC1	0299 777.16
9 Plug with solder tags		
10 Soldered fuses		
11 Omniconnect plug	CPFT2 20 poles	See section on accessories
R See section on marking methods	RC510	

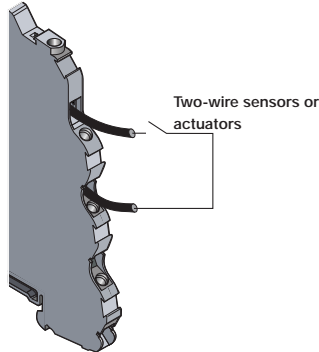
# interfast MS



PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range

DIN 3  
Applications

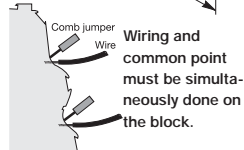
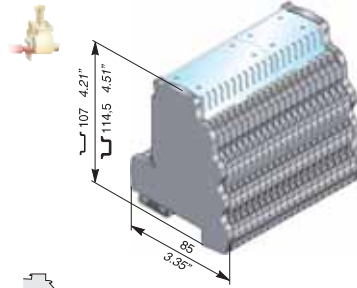
Two-wire  
Interface



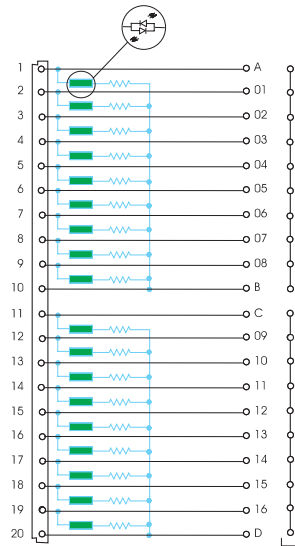
Do not use the 3 distribution decks without the comb jumper.

## Two-wire interface with terminal blocks D2,5/5-D2-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

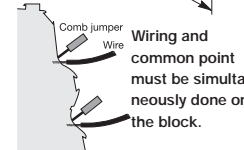
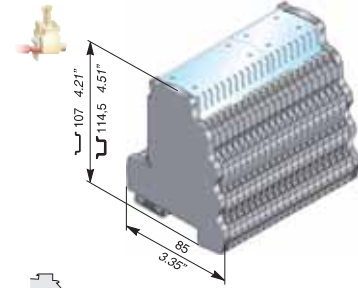


Commons connected using grey comb type jumper bar delivered mounted.

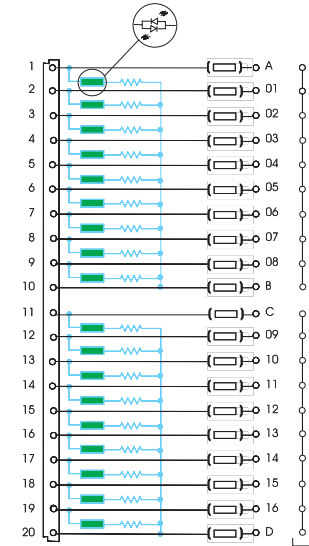
Blue schematic: products equipped with LED

## Interruptible two-wire interface with terminal blocks D2,5/5-SNB-D2-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.



Commons connected using grey comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

### Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BOM 16/LL/B	0631 031.12
BOM 16/LL/BL	0631 029.20

Type	Part number
BOM 16/SS/BS	0631 067.26
BOM 16/SS/BSL	0631 065.24

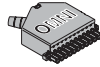
### Characteristics

	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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	10 poles	0205 524.23
2	2 Comb jumper Blue	PCMS	10 poles	0205 525.24
3	3 Comb jumper Grey	PCMS	10 poles	0205 523.22
4	4 Comb jumper Green/Yellow	PCMS	10 poles	0205 526.25
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2	20 poles	See section on accessories
R	R See section on marking methods	RC55		

# interfast MS

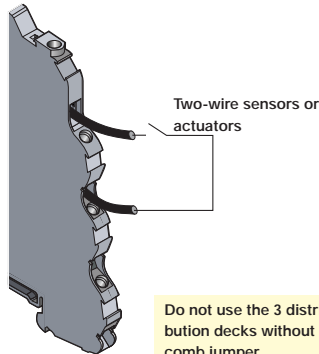


PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range

DIN 3

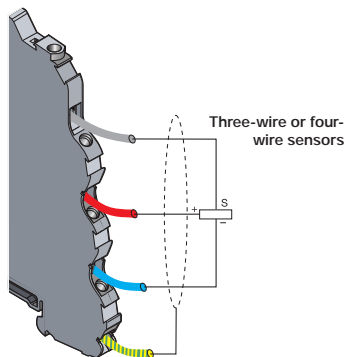
## Applications

### Two-wire Interface



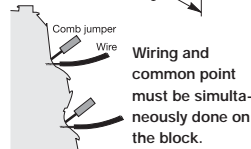
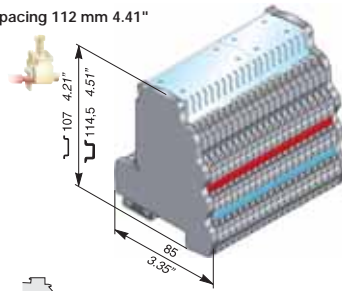
Do not use the 3 distribution decks without the comb jumper.

### Three-wire / four-wire Interface



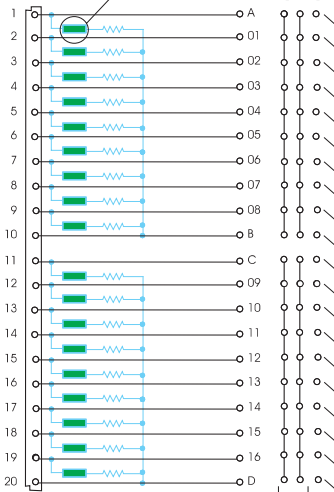
## Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

3 decks for distribution of +, - polarity and ground connection.

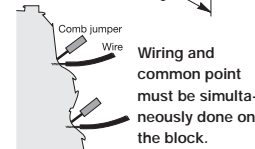
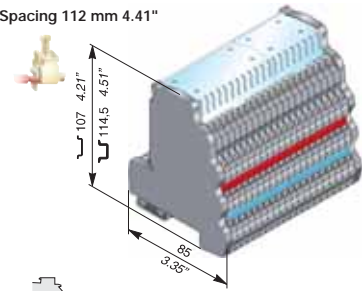


Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

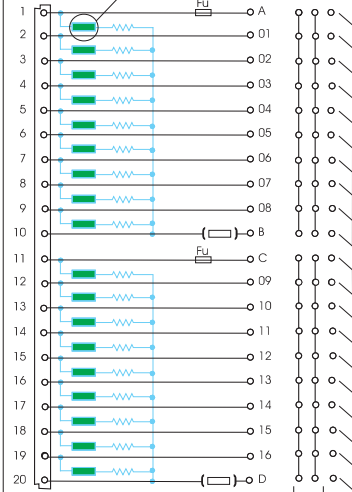
## Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

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.

Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Fuse type: 297 Series Littlefuse

### Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BOM 16/LL/T-PI	0631 055.22
BOM 16/LL/TL-PI	0631 053.20

Type	Part number
BOM 16/FS/T-PI	0631 063.22
BOM 16/FS/TL-PI	0631 061.20

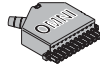
### Characteristics

	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	
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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 10 poles 0205 524.23	PCMS Other numbers 10 poles 0205 524.23	
	2 Comb jumper Blue	PCMS of poles. Please 10 poles 0205 525.24	PCMS of poles. Please 10 poles 0205 525.24	
	3 Comb jumper Grey	PCMS see accessories 10 poles 0205 523.22	PCMS see accessories 10 poles 0205 523.22	
	4 Comb jumper Green/Yellow	PCMS section. 10 poles 0205 526.25	PCMS section. 10 poles 0205 526.25	
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2 20 poles See section on accessories	BFMS AUTO See section on accessories	
			CPFT2 20 poles See section on accessories	
R	R See section on marking methods	RC55	RC55	

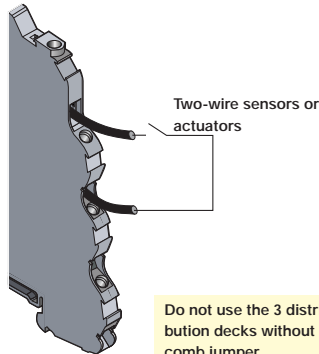
# interfast MS



PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range  
DIN 3

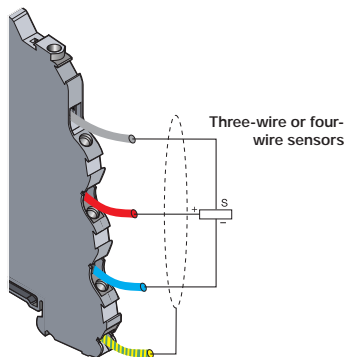
## Applications

### Two-wire Interface



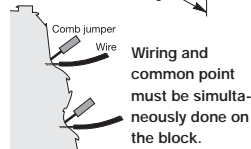
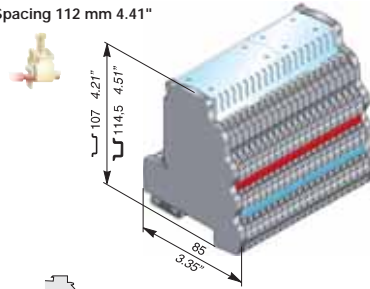
Do not use the 3 distribution decks without the comb jumper.

### Three-wire / four-wire Interface



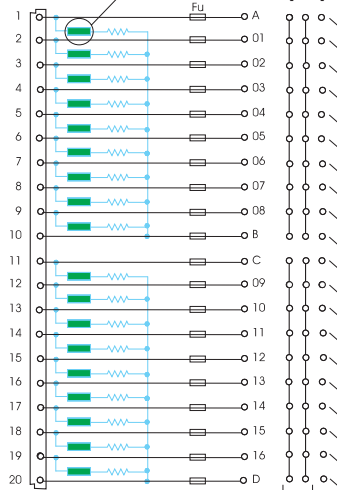
## Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

3 decks for distribution of +, - polarity and ground connection.



Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Blue schematic: products equipped with LED  
+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Fuse type: 297 Series Littlefuse

### Part numbers

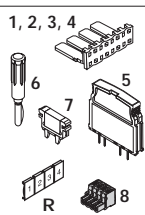
16 channels without LED	
16 channels with LEDs	

Type	Part number
BOM 16/FF/TF-PI	0631 099.27
BOM 16/FF/TFL-PI	0631 097.15

### 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 <sup>2</sup>			

### Accessories

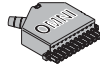


1	Comb jumper	Red
2	Comb jumper	Blue
3	Comb jumper	Grey
4	Comb jumper	Green/Yellow
5	MS plug	
6	Test plug	
7	Fuse plug	
8	Omniconnect plug	
R	See section on marking methods	

Type	P/N	Type	P/N
PCMS	10 poles	0205 524.23	
PCMS	10 poles	0205 525.24	
PCMS	10 poles	0205 523.22	
PCMS	10 poles	0205 526.25	
BFMS AUTO	See section on accessories		
CPFT2	20 poles	See section on accessories	
RC55			



# interfast MS

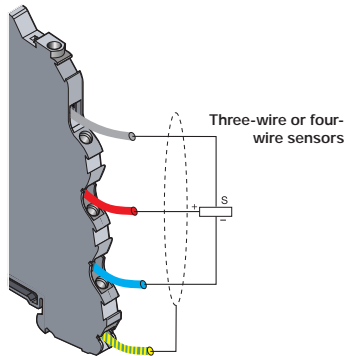


PLC connection interface  
16 channels  
with screw-clamp connection  
Omniconnect product range

DIN 3

## Applications

Three-wire / four-wire  
Interface

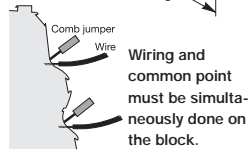
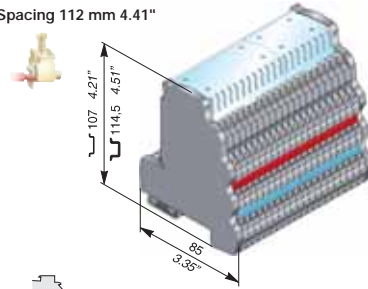


Do not use the 3 distribution decks without the comb jumper.

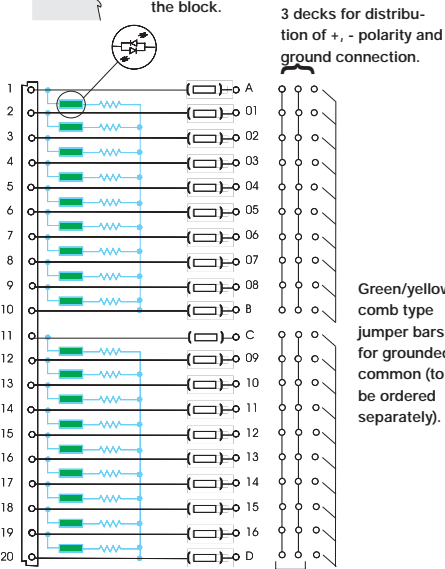
## Interruptible three-wire or four-wire interface

with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.



Green/yellow comb type jumper bars for grounded common (to be ordered separately).

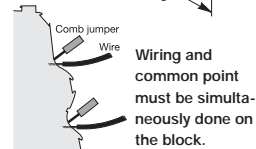
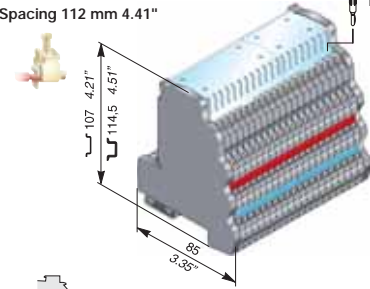
Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

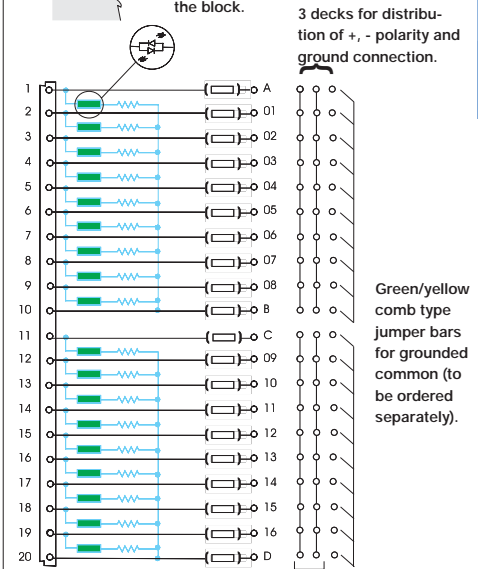
## Interruptible three-wire or four-wire interface

with test points with terminal blocks D2,5/5-SNBT-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.



Green/yellow comb type jumper bars for grounded common (to be ordered separately).

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	0631 083.17
BOM 16/SS/TS-L-PI	0631 081.15

Type	Part number
BOM 16/SS/TS1-PI	0631 119.27
BOM 16/SS/TS1L-PI	0631 117.15

## 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

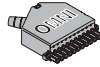
## Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 10 poles 0205 524.23	PCMS Other numbers 10 poles 0205 524.23	
	2 Comb jumper Blue	PCMS of poles. Please 10 poles 0205 525.24	PCMS of poles. Please 10 poles 0205 525.24	
	3 Comb jumper Grey	PCMS see accessories section. 10 poles 0205 523.22	PCMS see accessories section. 10 poles 0205 523.22	
	4 Comb jumper Green/Yellow	PCMS 10 poles 0205 526.25	PCMS 10 poles 0205 526.25	
5	5 MS plug			
6	6 Test plug		FC2	Ø 2 mm
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2 20 poles See section on accessories	CPFT2 20 poles See section on accessories	
R	R See section on marking methods	RC55	RC55	



# interfast MS

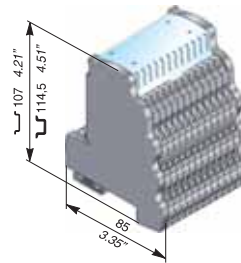
PLC decoupling interface  
8 relay outputs  
Omniconnect product range



Spacing 71 mm 2.79"



8 N relays  
1RT output terminal

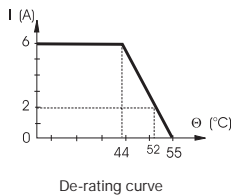


Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant outputs possible.

B  
2

## Part numbers

The units are delivered equipped with relays.  
The relays are also available separately (see ordering part numbers, right column).



Pluggable relay.

Type	P/N	plug only
------	-----	-----------

<b>BRI 821 N</b>	24 V DC	<b>0631 143.27</b>
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Output optos with 24 VDC input voltage can be mixed and matched.

Type		P/N
<b>BNMS P24V-3</b>	100 mA/48 V (Red)	<b>0031 810.12</b>
<b>BNMS P24V-1</b>	2 A/24 V (Red)	<b>0031 815.03</b>
<b>BNMS P24V-2</b>	1 A/48 V (Red)	<b>0031 819.17</b>
<b>BNMS N24V-3</b>	100 mA/48 V (Red)	<b>0031 807.14</b>
<b>BNMS N24V-1</b>	2 A/24 V (Red)	<b>0031 813.01</b>
<b>BNMS N24V-2</b>	1 A/48 V (Red)	<b>0031 817.05</b>

See end of accessories section for characteristics.

**Spare relay plugs:**

Type		P/N
<b>R24V-1</b>	6 A/250 V (Ivory)	<b>0031 820.14</b>

See end of accessories section for characteristics.

## Approval

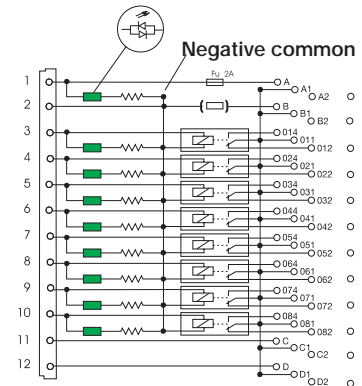


## Characteristics

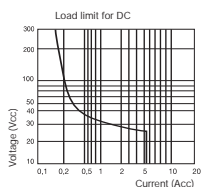
<b>COIL</b>	
Rated voltage	+ 20%, - 15% <b>24 V DC</b>
Rated current threshold	<b>17 mA</b>
Trip voltage	<b>1,2 V</b>
<b>CONTACT</b>	
Type	<b>1 RT</b>
Voltage mini. / max.	<b>12 V / 250 V AC</b>
Switching current mini. / max.	<b>10 mA / 6 A</b>
Breaking capacity AC1 mini. / max.	<b>0,6 VA / 1500 VA (resistance)</b>
DC1 mini. / max.	<b>0,6 W / 140 W</b>
<b>Maximum load</b>	
Number of operations on load	<b>1 x 10<sup>5</sup> in AC15</b>
Number of operations off load	<b>10 x 10<sup>6</sup></b>
Operating speed	<b>6 ms / 8 ms</b>
Bounce	<b>1,5 ms</b>
Isolation Coil / Contact	<b>4 kV</b>
Resistance to shock waves Coil / Contact	<b>4 kV</b>
Isolation Contact / Contact	<b>1 kV</b>
<b>TEMPERATURE</b>	
Ambient temperature	Storage <b>- 40°C to + 80°C</b>
	Operating <b>- 20°C to + 55°C</b>
Wire capacity	<b>0 - 2,5 mm<sup>2</sup></b>

## Wiring diagram

Terminal with negative common connection.



Terminal compatible with automate output cards with positive common connection.



	DC12	AC12	DC13	AC15
<b>24 V</b>	<b>6 A</b>	<b>6 A</b>	<b>1 A</b>	<b>3 A</b>
<b>110/120 V</b>	<b>0,3 A</b>	<b>6 A</b>	<b>0,2 A</b>	<b>3 A</b>
<b>220/230 V</b>	<b>0,2 A</b>	<b>6 A</b>	<b>0,1 A</b>	<b>3 A</b>

## Accessories

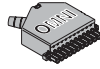
	Type	P/N
<b>1</b> Comb-type jumper bar	<b>PCMS</b>	See section on accessories.
<b>2</b> Fuse-holder plug	<b>BFMS AUTO</b>	See section on accessories.
<b>R</b> See section on marking methods.	<b>RC55</b>	

Fuse type: 297 Series Littlefuse

# interfast MS

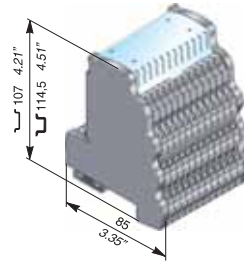
PLC decoupling interface  
8 relay outputs  
Omniconnect product range

DIN 3



## 8 N/P relays 1RT relay output terminal

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant outputs possible.

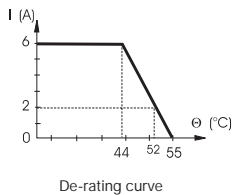
Pluggable relay.

### 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
<b>BRI 821 N/P</b> 24 V DC	<b>0631 182.17</b>	<b>Spare relay plugs:</b> Type <b>R24V-1</b> 6 A/250 V (Ivory) P/N <b>0031 820.14</b>

Output optos with 24 VDC input voltage can be mixed and matched. See end of accessories section for characteristics.



Type	Current	Voltage	Color	P/N
<b>BNMS P24V-3</b>	100 mA/48 V	(Red)	<b>0031 810.12</b>	
<b>BNMS P24V-1</b>	2 A/24 V	(Red)	<b>0031 815.03</b>	
<b>BNMS P24V-2</b>	1 A/48 V	(Red)	<b>0031 819.17</b>	
<b>BNMS N24V-3</b>	100 mA/48 V	(Red)	<b>0031 807.14</b>	
<b>BNMS N24V-1</b>	2 A/24 V	(Red)	<b>0031 813.01</b>	
<b>BNMS N24V-2</b>	1 A/48 V	(Red)	<b>0031 817.05</b>	

See end of accessories section for characteristics.

### Approval

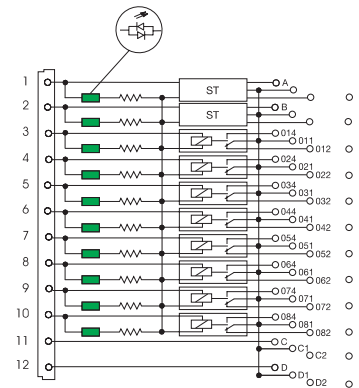


### Characteristics

<b>COIL</b>	
Rated voltage	+ 20%, - 15% <b>24 V DC</b>
Rated current threshold	<b>17 mA</b>
Trip voltage	<b>1,2 V</b>
<b>CONTACT</b>	
Type	<b>1 RT</b>
Voltage mini. / max.	<b>12 V / 250 V AC</b>
Switching current mini. / max.	<b>10 mA / 6 A</b>
Breaking capacity AC1 mini. / max.	<b>0,6 VA / 1500 VA (resistance)</b>
DC1 mini. / max.	<b>0,6 W / 140 W</b>
Maximum load	
Number of operations on load	<b>1 x 10<sup>5</sup> in AC15</b>
Number of operations off load	<b>10 x 10<sup>6</sup></b>
Operating speed C/O	<b>6 ms / 8 ms</b>
Bounce	<b>1,5 ms</b>
Isolation Coil / Contact	<b>4 kV</b>
Resistance to shock waves Coil / Contact	<b>4 kV</b>
Isolation Contact / Contact	<b>1 kV</b>
<b>TEMPERATURE</b>	
Ambient temperature Storage	<b>- 40°C to + 80°C</b>
Operating	<b>- 20°C to + 55°C</b>
<b>Wire capacity</b>	
	<b>0 - 2,5 mm<sup>2</sup></b>

### Wiring diagram

Terminal negative or positive common connection.

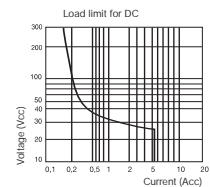


Delivered mounted with negative common.

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



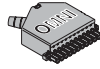
	DC12	AC12	DC13	AC15
<b>24 V</b>	<b>6 A</b>	<b>6 A</b>	<b>1 A</b>	<b>3 A</b>
<b>110/120 V</b>	<b>0,3 A</b>	<b>6 A</b>	<b>0,2 A</b>	<b>3 A</b>
<b>220/230 V</b>	<b>0,2 A</b>	<b>6 A</b>	<b>0,1 A</b>	<b>3 A</b>

### Accessories

	Type	P/N
<b>1</b> Comb-type jumper bar	<b>PCMS</b>	See section on accessories.
<b>2</b> Fuse-holder plug	<b>BFMS AUTO</b>	See section on accessories.
<b>R</b> See section on marking methods.	<b>RC55</b>	

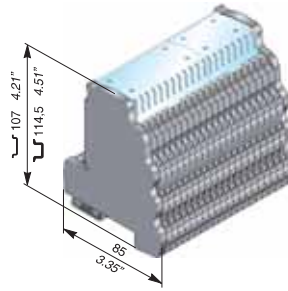
# interfast MS

PLC decoupling interface  
16 relay outputs  
Omniconnect product range



## 16 N relays 1RT relay output terminal

Spacing 112 mm 4.41"

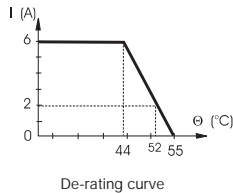


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent outputs possible.

B  
2

### Part numbers

The units are delivered equipped with relays.  
The relays are also available separately (see ordering part numbers, right column).



Pluggable relay.

Type	P/N	plug only
------	-----	-----------

<b>BRI 1621 N</b>	24 V DC	<b>0631 125.15</b>
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**Spare relay plugs:**  
Type **R24V-1** 6 A/250 V (Ivory) P/N **0031 820.14**  
See end of accessories section for characteristics.

Output optos with 24 VDC input voltage can be mixed and matched.

Type		P/N
<b>BNMS P24V-3</b>	100 mA/48 V (Red)	<b>0031 810.12</b>
<b>BNMS P24V-1</b>	2 A/24 V (Red)	<b>0031 815.03</b>
<b>BNMS P24V-2</b>	1 A/48 V (Red)	<b>0031 819.17</b>
<b>BNMS N24V-3</b>	100 mA/48 V (Red)	<b>0031 807.14</b>
<b>BNMS N24V-1</b>	2 A/24 V (Red)	<b>0031 813.01</b>
<b>BNMS N24V-2</b>	1 A/48 V (Red)	<b>0031 817.05</b>

See end of accessories section for characteristics.

### Approval

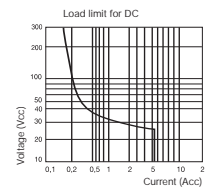
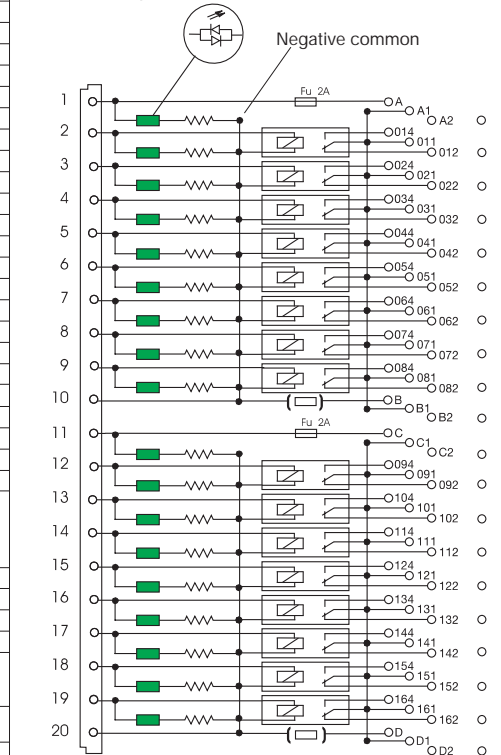


### Characteristics

### Wiring diagram

Terminal with negative common connection.

<b>COIL</b>		
Rated voltage	+ 20%, - 15%	<b>24 V DC</b>
Rated current threshold		<b>17 mA</b>
Trip voltage		<b>1,2 V</b>
<b>CONTACT</b>		
Type		<b>1 RT</b>
Voltage mini. / max.		<b>12 V / 250 V AC</b>
Switching current mini. / max.		<b>10 mA / 6 A</b>
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	<b>0,6 VA / 1500 VA (resistance) 0,6 W / 140 W</b>
Maximum load		
Number of operations	on load	<b>1 x 10<sup>5</sup> in AC15</b>
Number of operations	off load	<b>10 x 10<sup>6</sup></b>
Operating speed	C	<b>6 ms</b>
	O	<b>8 ms</b>
Bounce		<b>1,5 ms</b>
Isolation Coil / Contact		<b>4 kV</b>
Resistance to shock waves	Coil / Contact	<b>4 kV</b>
Isolation Contact / Contact		<b>1 kV</b>
<b>TEMPERATURE</b>		
Ambient temperature	Storage	<b>- 40°C to + 80°C</b>
	Operating	<b>- 20°C to + 55°C</b>
<b>Wire capacity</b>		<b>0 - 2,5 mm<sup>2</sup></b>



	DC12	AC12	DC13	AC15
<b>24 V</b>	<b>6 A</b>	<b>6 A</b>	<b>1 A</b>	<b>3 A</b>
<b>110/120 V</b>	<b>0,3 A</b>	<b>6 A</b>	<b>0,2 A</b>	<b>3 A</b>
<b>220/230 V</b>	<b>0,2 A</b>	<b>6 A</b>	<b>0,1 A</b>	<b>3 A</b>

### Accessories

	Type	P/N
<b>1</b> Comb-type jumper bar	<b>PCMS</b>	See section on accessories.
<b>2</b> Fuse-holder plug	<b>BFMS AUTO</b>	See section on accessories.
<b>R</b> See section on marking methods.	<b>RC55</b>	

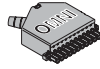
Fuse type: 297 Series Littlefuse.

Terminal compatible with automate output cards with positive common connection.

# interfast MS

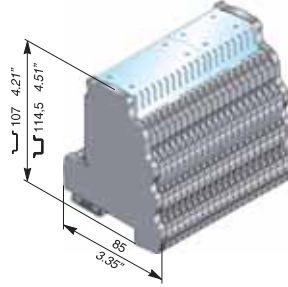
PLC decoupling interface  
16 relay outputs  
Omniconnect product range

DIN 3



## 16 N/P 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 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	P/N
BRI 1621 N/P	24 V DC	0631 181.16	0031 820.14

Output optos with 24 VDC input voltage can be mixed and matched.

Type	Current	Voltage	Color	P/N
BNMS P24V-3	100 mA	48 V	(Red)	0031 810.12
BNMS P24V-1	2 A	24 V	(Red)	0031 815.03
BNMS P24V-2	1 A	48 V	(Red)	0031 819.17
BNMS N24V-3	100 mA	48 V	(Red)	0031 807.14
BNMS N24V-1	2 A	24 V	(Red)	0031 813.01
BNMS N24V-2	1 A	48 V	(Red)	0031 817.05

See end of accessories section for characteristics.

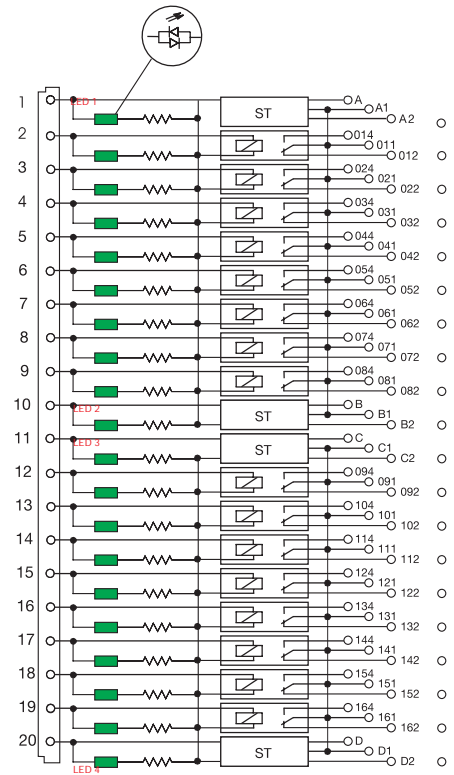
### Spare relay plugs:

Type	P/N
R24V-1	6 A/250 V (Ivory)

See end of accessories section for characteristics.

### Wiring diagram

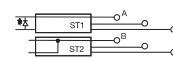
Terminal with negative or positive common connection.



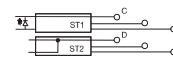
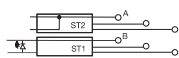
Terminal compatible with automate output cards with positive or negative common connection. Delivered mounted with negative common.

Fuse and strap plugs allowing either a common - or a common +.

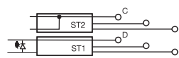
Negative common



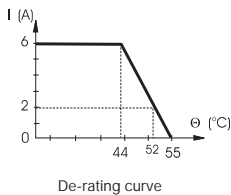
Positive common



LED 1 and 3 switched on



LED 2 and 4 switched on

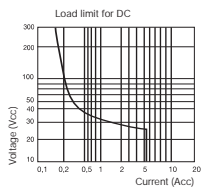


### Approval



### Characteristics

<b>COIL</b>	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
<b>CONTACT</b>	
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 <sup>5</sup> in AC15
Number of operations off load	10 x 10 <sup>6</sup>
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
<b>TEMPERATURE</b>	
Ambient temperature	Storage - 40°C to + 80°C Operating - 20°C to + 55°C
<b>Wire capacity</b>	
	0 - 2,5 mm <sup>2</sup>



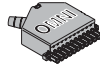
	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

### 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	

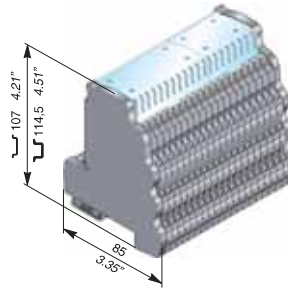
# interfast MS

PLC decoupling interface  
16 relay outputs  
Omniconnect product range



## 16 N relays 1 RT relay without LED output terminal

Spacing 112 mm 4.41"

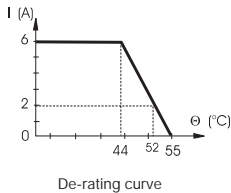


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant outputs possible.

B  
2

### Part numbers

The units are delivered equipped with relays.  
The relays are also available separately (see ordering part numbers, right column).



Pluggable relay.

Type	P/N	plug only
------	-----	-----------

Type	24 V DC	P/N
BRI 1621 N-ECO		0631 124.14
Output optos with 24 VDC input voltage can be mixed and matched.		
Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	0031 810.12
BNMS P24V-1	2 A/24 V (Red)	0031 815.03
BNMS P24V-2	1 A/48 V (Red)	0031 819.17
BNMS N24V-3	100 mA/48 V (Red)	0031 807.14
BNMS N24V-1	2 A/24 V (Red)	0031 813.01
BNMS N24V-2	1 A/48 V (Red)	0031 817.05

See end of accessories section for characteristics.

**Spare relay plugs:**

Type	6 A/250 V (Ivory)	P/N
R24V-1		0031 820.14

See end of accessories section for characteristics.

### Approval



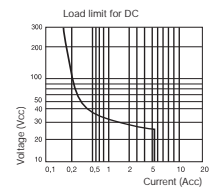
### Characteristics

### Wiring diagram

Terminal with negative common connection.

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 <sup>5</sup> in AC15
Number of operations	off load	10 x 10 <sup>6</sup>
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

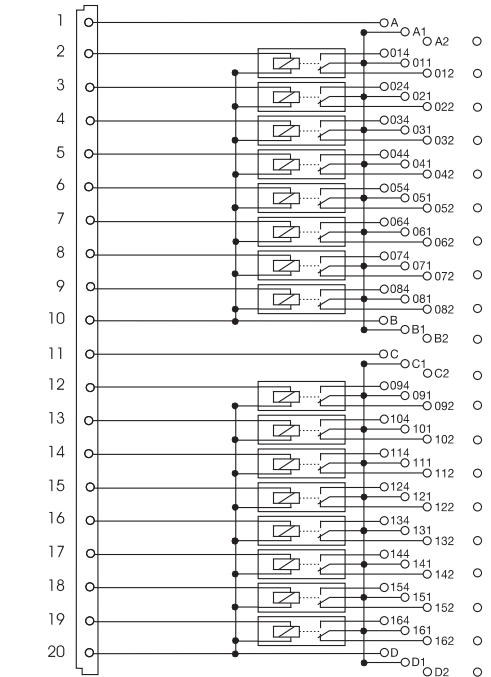
Wire capacity	0 - 2,5 mm <sup>2</sup>
---------------	-------------------------



	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

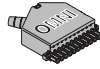
	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	



Terminal compatible with automate output cards with positive common connection.

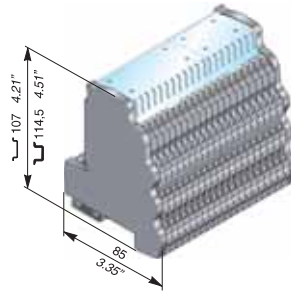
# interfast MS

PLC decoupling interface  
16 optocoupler inputs  
Omniconnect product range



## 16 N/P optocouplers optocouplers input terminal

Spacing 112 mm



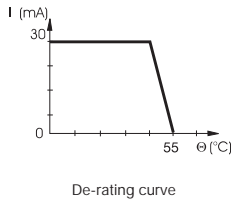
Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent inputs possible.

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.

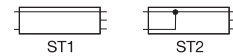
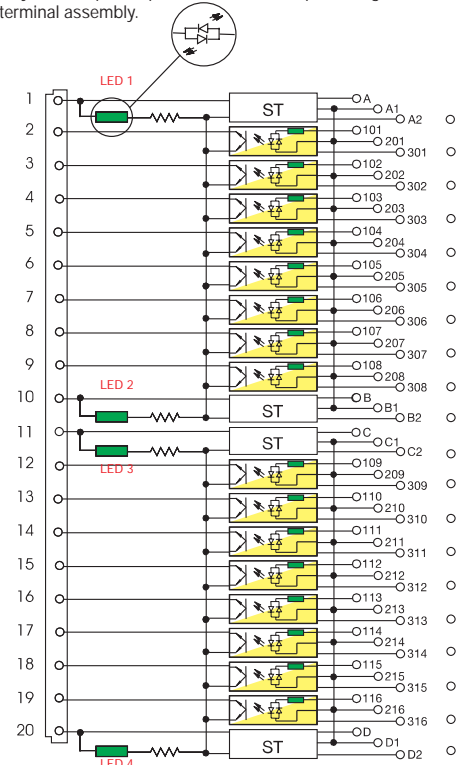
	Nb	Type	P/N
Terminal:	1	<b>BUNI 20-L</b>	<b>0631 179.03</b>
Strap plug:	2	<b>BNMS ST1</b>	<b>0031 829.11</b>
	2	<b>BNMS ST2</b>	<b>0031 830.16</b>
Optocouplers plugs:	16		
5 V DC		<b>BNMS T5V-1</b>	<b>0031 831.03</b>
24 V DC		<b>BNMS T24V-1</b>	<b>0031 800.21</b>
48 V DC		<b>BNMS T48V-1</b>	<b>0031 801.16</b>
125 V DC		<b>BNMS T125V-1</b>	<b>0031 845.11</b>
24 V AC		<b>BNMS T24V-1</b>	<b>0031 802.17</b>
48 V AC		<b>BNMS T48V-1</b>	<b>0031 803.10</b>
115 V AC		<b>BNMS T115V-1</b>	<b>0031 804.11</b>
230 V AC		<b>BNMS T230V-1</b>	<b>0031 805.12</b>



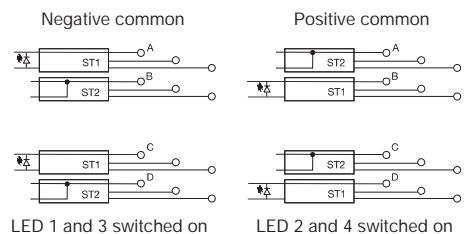
De-rating curve

### 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

### Approval



### Characteristics

INPUT	5 V DC				24 V DC		48 V DC		125 V DC						
	Input voltage	+15%, -20% DC	-10%, -15% AC								24 V AC	48 V AC	115 V AC	230 V 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													
	max.													
2,3 V DC														
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

Wire capacity	0 - 2,5 mm <sup>2</sup>													
---------------	-------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--

### Accessories

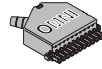
	Type	P/N
1 Comb-type jumper bar	<b>PCMS</b>	See section on accessories.
2 Fuse-holder plug	<b>BFMS AUTO</b>	See section on accessories.
R See section on marking methods.	<b>RC55</b>	



# interfast MS

PLC decoupling interface  
16 optocoupler outputs  
Omniconnect product range

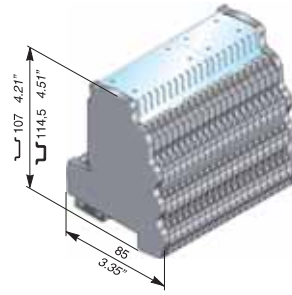
DIN 3



Spacing 112 mm



## 16 N/P optocouplers optocouplers output terminal

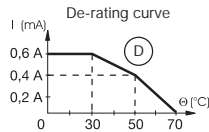
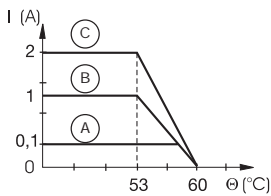


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent inputs possible.

Pluggable optocoupler.  
Permits electrical isolation between an AC or DC input and a 24 V DC output.

B  
2

### Part numbers

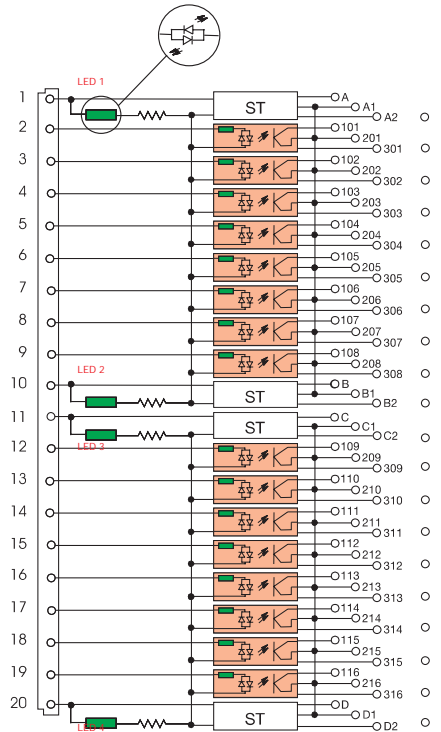


Material in order to perform an optocoupler output terminal.

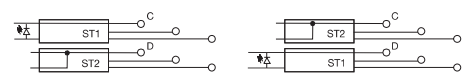
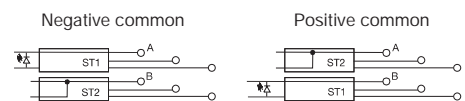
	Nb	Type	P/N
Terminal:	1	BUNI 20-L	0631 179.03
Strap plug:	2	BNMS ST1	0031 829.11
	2	BNMS ST2	0031 830.16
Optocouplers plugs: 16			
Ⓐ 48 V DC / 100 mA PNP	1	BNMS P24V-3	0031 810.12
	1	BNMS N24V-3	0031 807.14
Ⓑ 48 V DC / 1 A PNP	1	BNMS P24V-2	0031 819.17
	1	BNMS N24V-2	0031 817.05
Ⓒ 24 V DC / 2 A PNP	1	BNMS P24V-1	0031 815.03
	1	BNMS N24V-1	0031 813.01
Ⓓ 250 V AC/700 mA TRIAC	1	BNMS A24V-4	0031 839.13

### 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.



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

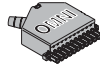
	Ⓐ	Ⓑ	Ⓒ	Ⓓ
<b>INPUT</b>				
Input voltage	+20%, -15%	24 V DC	24 V DC	24 V DC
Typical triggering at Is = 100 %	16 V DC	10 V DC	10 V DC	10 V DC
Input current	4,8 mA	6,7 mA	6,7 mA	3,8 mA
Switching time	C/O	20 μs / 1,3 ms	50 μs / 350 μs	50 μs / 350 μs
Leakage current	1 mA	1 mA	1 mA	9,5 ms / 12 ms
<b>OUTPUT</b>				
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
	max.	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				
<b>TEMPERATURE</b>				
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 <sup>2</sup>	0 - 2,5 mm <sup>2</sup>	0 - 2,5 mm <sup>2</sup>	0 - 2,5 mm <sup>2</sup>

### 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	

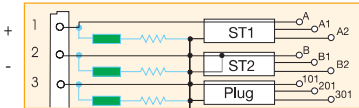


# interfast MS

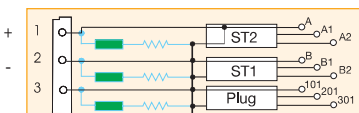


PLC universal interface  
8 channels  
with screw-clamp connection  
Omniconnect product range  
DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).

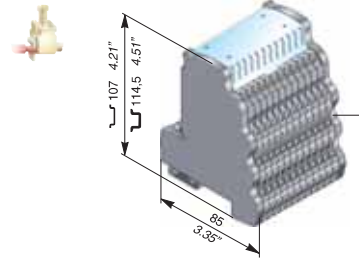


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



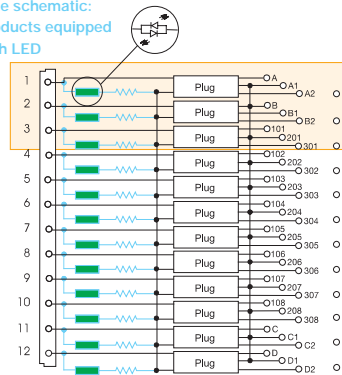
## Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



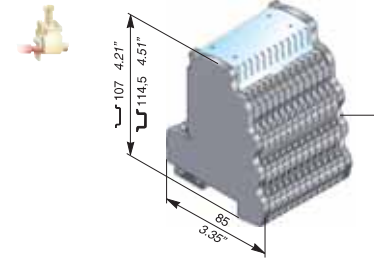
Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent channels possible.

Blue schematic:  
products equipped  
with LED

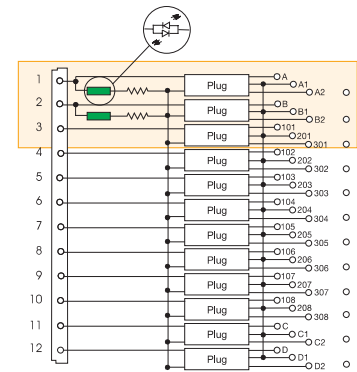


## Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent channels possible.



### Part numbers

Type	Part number	Type	Part number
8 channels without LED	0	BUNI 12	0631 158.06
8 channels with LEDs	1	BUNI 12-L	0631 178.02

Block delivered without plug (to be ordered separately).

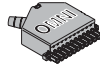
### Characteristics

	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	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C	- 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 <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red 2 Comb jumper Blue 3 Comb jumper Grey 4 Comb jumper Green/Yellow	PCMS PCMS PCMS PCMS	Other numbers of poles. Please see accessories section. 12 poles 0205 532.23 12 poles 0205 533.24 12 poles 0205 531.22 12 poles 0205 534.25
5 MS plug	5	BNMS	See section on accessories (Compatible with model 1 and 2)
6 Test plug	6	BUNI12	(Compatible with model 1 and 2)
7 Fuse plug	7	BUNI12L	(Compatible with model 1)
8 Omniconnect plug	8	CPFT2	12 poles See section on accessories
R See section on marking methods	R	RC55	

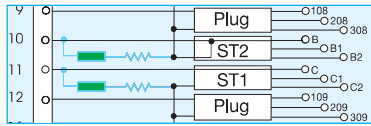
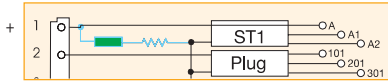
# interfast MS



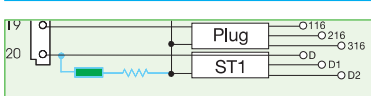
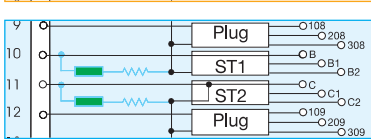
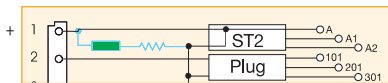
PLC universal interface  
16 channels  
with screw-clamp connection  
Omnicontact product range



To make a negative common connection, use ST1 and ST2 plugs (see accessories).

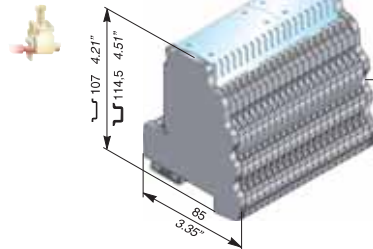


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



## Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 112 mm 4.41"

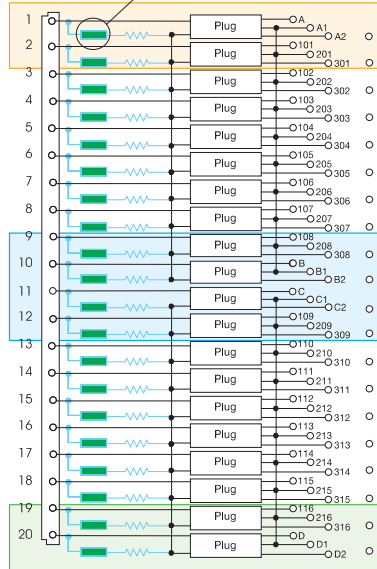


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

To make a negative or positive common connection, see the far left column.

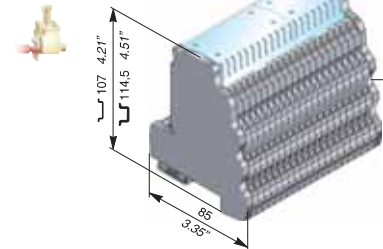


Blue schematic:  
products equipped  
with LED



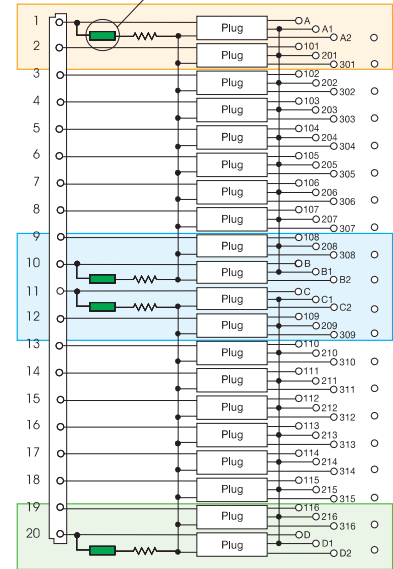
## Universal interface with terminal blocks D2,5/5-UNI-CPE

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		<b>2</b>
16 channels with LEDs		<b>3</b>

Type	Part number
BUNI 20	0631 151.27
BUNI 20-L	0631 180.21

Block delivered without plug (to be ordered separately).

Type	Part number
BUNI 20-L	0631 179.03

Block delivered without plug (to be ordered separately).

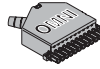
### Characteristics

	Without LED		With LEDs	
Maximum voltage	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	
Fuse on the power supply			5 mA	
Fuse per point				
Test voltage				
Operating temperature	- 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	Omnicontact plug 20 poles		Omnicontact	
Wire capacity	0-2,5 mm <sup>2</sup>		0-2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 10 poles 0205 524.23	PCMS Other numbers 10 poles 0205 524.23	
	2 Comb jumper Blue	PCMS of poles. Please 10 poles 0205 525.24	PCMS of poles. Please 10 poles 0205 525.24	
	3 Comb jumper Grey	PCMS see accessories 10 poles 0205 523.22	PCMS see accessories 10 poles 0205 523.22	
	4 Comb jumper Green/Yellow	PCMS see accessories 10 poles 0205 526.25	PCMS see accessories 10 poles 0205 526.25	
	5 MS plug	BNMS See section on accessories (Compatible with model 1 and 2)	BNMS See section on accessories (Compatible with model 1 and 2)	
	6 Test plug	BUNI20 (Compatible with model 1 and 2)		
	7 Fuse plug	BUNI20L (Compatible with model 1)		
	8 Omnicontact plug	CPFT2 20 poles See section on accessories	CPFT2 20 poles See section on accessories	
R	R See section on marking methods	RC55	RC55	

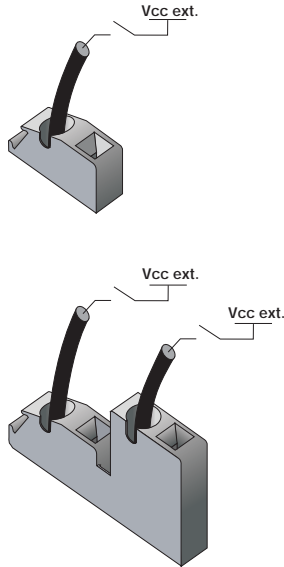
# interfast



**PLC connector interface**  
**16 channels**  
**with spring loaded terminals**  
**Omniconnect product range**

## Applications

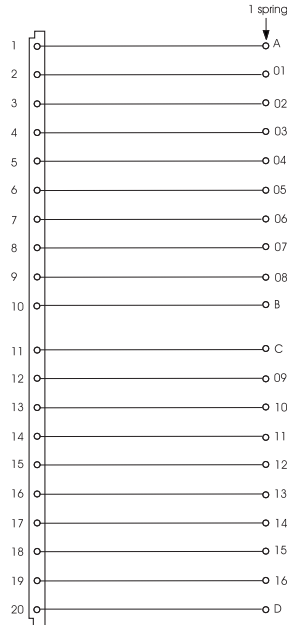
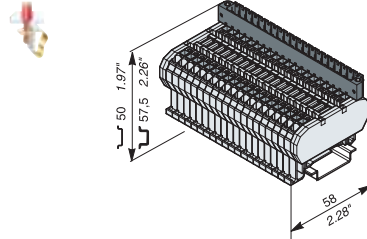
Single-wire  
Interface



## Single-wire interface with 1 spring

with terminal blocks D 2,5 / 5-2L

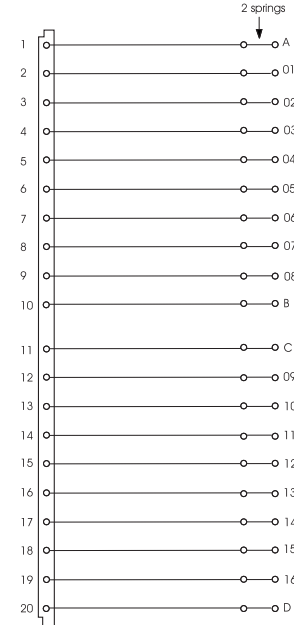
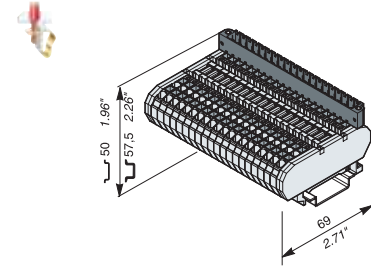
Spacing 112 mm 4.41"



## Single-wire interface with 2 springs

with terminal blocks D 2,5 / 5 . 3L

Spacing 112 mm 4.41"



### Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	BOM-1R-16	0032 001.10	112		4.41	BOM-2R-16	0032 002.11	112		4.41
32 channels without LED										

### 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 <sup>2</sup>		0,12 - 2,5 mm <sup>2</sup>	

### Accessories

	Type	P/N	Type	P/N
1 Test plug	black	FC2	DIA. 2 mm	0007 865.26
2 Jumper bar	orange	BJDL5	See section on accessories	BJDL5
3 Omniconnect plug	20 poles	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