

# CX 02 J

10 A 250 V

size **3 modules**

8 poles + 2 seats for RJ45 connectors Cat. 5 Ethernet

## Crimp connection

EN 61984 rating	10 A 250 V 4 kV 3
Rated voltage (RJ45 connector)	35 V <sub>AC</sub> / 50 V <sub>DC</sub>
Rated current (RJ45 connector)	2,1 A at 70 °C
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +120 °C
Mechanical life (cycles)	≥ 500



**ALUS** ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Male inserts for 2 RJ45 male connectors and for 8 CDM 10 A contacts  Without RJ45 connector and contacts (to be ordered separately)	<a href="#">CX 02 JM</a>	
	RJ45 plug, 4 data contacts RJ45 plug, 4 data contacts, Cat. 5e Profinet® RJ45 plug, 4 data + 2 power contacts RJ45 plug, 6 data + 2 power contacts RJ45 plug, 8 data contacts	<a href="#">CX 4 JM</a> <a href="#">CX 4E JM</a> <a href="#">CX 4/2 JM</a> <a href="#">CX 6/2 JM</a> <a href="#">CX 8 JM</a>	
	Female inserts for 2 RJ45 female connectors and for 8 CDF 10 A contacts  Without RJ45 connector and contacts (to be ordered separately)  To be used with high or flush mounting enclosures	<a href="#">CX 02 JF</a>	
	RJ45 coupler jack, 4 data contacts* RJ45 coupler jack, 4 data + 2 power contacts* RJ45 coupler jack, 8 data contacts RJ45 coupler jack, 8 data + 2 power contacts	<a href="#">CX 4 JF</a> <a href="#">CX 4/2 JF</a> <a href="#">CX 8 JF</a> <a href="#">CX 8/2 JF</a>	

\* on request

10 A crimp contacts		Male	Female	Wiring information, CD contacts			
section (mm <sup>2</sup> )	section (AWG)			conductor section (mm <sup>2</sup> )	conductor slot ø A (mm)	stripping length B (mm)	
0,14-0,37	26-22	silver	<a href="#">CDMA 0.3</a>	<a href="#">CDFA 0.3</a>		- ø <sub>max</sub> insulating conductors: 1 mm (data) and 1,4 mm (power and <b>CX 4E JM</b> ) - ø <sub>max</sub> complete cable: 7 mm (6,9 mm for <b>CX 8 JM</b> )	
0,5	20		<a href="#">CDMA 0.5</a>	<a href="#">CDFA 0.5</a>			
0,75	18		<a href="#">CDMA 0.7</a>	<a href="#">CDFA 0.7</a>			
1	18		<a href="#">CDMA 1.0</a>	<a href="#">CDFA 1.0</a>			
1,5	16		<a href="#">CDMA 1.5</a>	<a href="#">CDFA 1.5</a>			
2,5	14	<a href="#">CDMA 2.5</a>	<a href="#">CDFA 2.5</a>				
0,14-0,37	26-22	gold	<a href="#">CDMD 0.3</a>	<a href="#">CDFD 0.3</a>			0,14-0,37
0,5	20		<a href="#">CDMD 0.5</a>	<a href="#">CDFD 0.5</a>	0,5	1,1	8
0,75	18		<a href="#">CDMD 0.7</a>	<a href="#">CDFD 0.7</a>	0,75	1,3	8
1	18		<a href="#">CDMD 1.0</a>	<a href="#">CDFD 1.0</a>	1,0	1,45	8
1,5	16		<a href="#">CDMD 1.5</a>	<a href="#">CDFD 1.5</a>	1,5	1,8	8
2,5	14	<a href="#">CDMD 2.5</a>	<a href="#">CDFD 2.5</a>	2,5	2,2	6	

Wire diameter: up to 3,8 mm.

For basic or high thickness gold plating, please refer to page F.16.

It is recommended to use the crimping tools and removal tools homologated by ILME (please see page F.23)

Materials	
Insert	polycarbonate (PC)
Screening	nickel-plated brass
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	copper alloy, silver ● and gold ● plated

Accessories	Pages
MIXO Frames	
Metal frames for modular units	C.95
Thermoplastic docking frames	C.98-101

### RJ45 insert, Class 5 Ethernet features, IDC terminals:

- for 0,22 mm<sup>2</sup> (AWG 24, 7-strands wire) data contacts **CX 4 JM**;
- for 0,14 mm<sup>2</sup> (AWG 26, 7-strands wire) or 0,22 mm<sup>2</sup> (AWG 24/7) data contacts **CX 4/2 JM**;
- for 0,34 mm<sup>2</sup> (AWG 22, 7-strands wire) or 0,38 mm<sup>2</sup> (AWG 22/19) power contacts;
- for 0,14 mm<sup>2</sup> (AWG 26, 7-strands wire) data contacts **CX 6/2 JM**;
- for 0,25 mm<sup>2</sup> (AWG 23, 19-strands wire) power contacts;
- for 0,14 mm<sup>2</sup> (AWG 26, 7-strands wire) data contacts **CX 8 JM**;
- for 0,34 mm<sup>2</sup> (AWG 22, 7-strands wire) data contacts **CX 4E JM**.