

Technical data sheet

Distribution box

Part no.: 50130990

MD 7XXP-11-88IO3-12

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Circuit diagrams
- Operation and display
- Accessories



For illustration purposes only



Technical data

Electrical data

Inputs

Switching element	PNP
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Performance data

Total current	1.5 A
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Input data logic

Nominal input voltage U_N	24 V DC
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Connection

Master connection

Type of connection	Connector
Function	Connection to the control
Thread size	M12
No. of pins	12 -pin
Encoding	A-coded
Type	Male

Distribution box connections

Number of connections	8 Piece(s)
Thread size	M8
No. of pins	3 -pin
Encoding	A-coded
Type	Female
Material	Plastic
Material of O-ring seal	TPU
Material of contacts	Gold-plated
Operating current per contact	1.5 A

Mechanical data

Design	Cubic
Dimension (W x H x L)	30 mm x 31.5 mm x 127 mm
Housing material	Plastic
Net weight	127 g
Screw tightening torque	0 N·m

Operation and display

Type of display	LED
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Environmental data

Ambient temperature, operation	-20 ... 70 °C, Depending on the connected cable
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Certifications

Degree of protection	IP 65
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	IP 67
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Approvals	c UL US
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Classification

Customs tariff number	85369010
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ECLASS 5.1.4	27279201
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ECLASS 8.0	27279219
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ECLASS 9.0	27440108
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ECLASS 10.0	27440108
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ECLASS 11.0	27440108
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ECLASS 12.0	27440108
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ECLASS 13.0	27440108
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ECLASS 14.0	27440108
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ECLASS 15.0	27440108
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ECLASS 16.0	27440108
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ETIM 5.0	EC002585
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ETIM 6.0	EC002585
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ETIM 7.0	EC003558
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ETIM 8.0	EC002585
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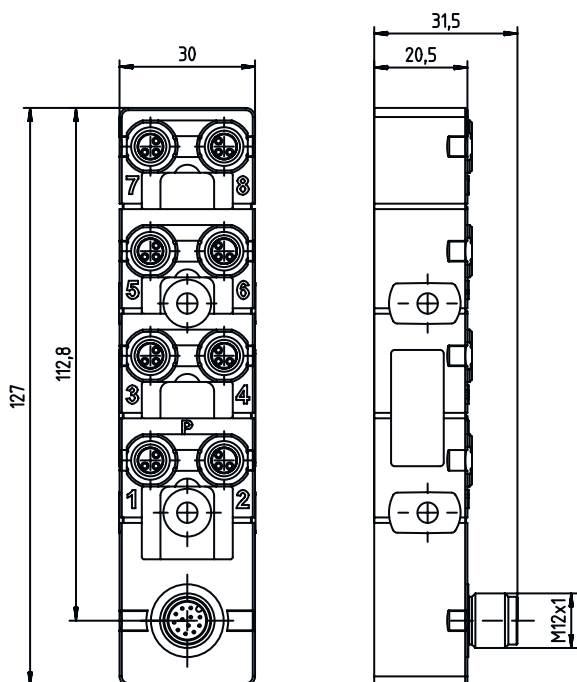
ETIM 9.0	EC002585
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ETIM 10.0	EC002585
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UNSPSC 26.08	32151900
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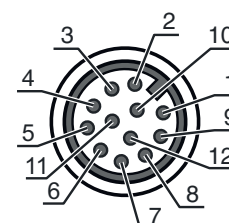
Dimensioned drawings

All dimensions in millimeters

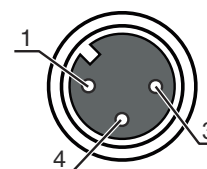


Electrical connection

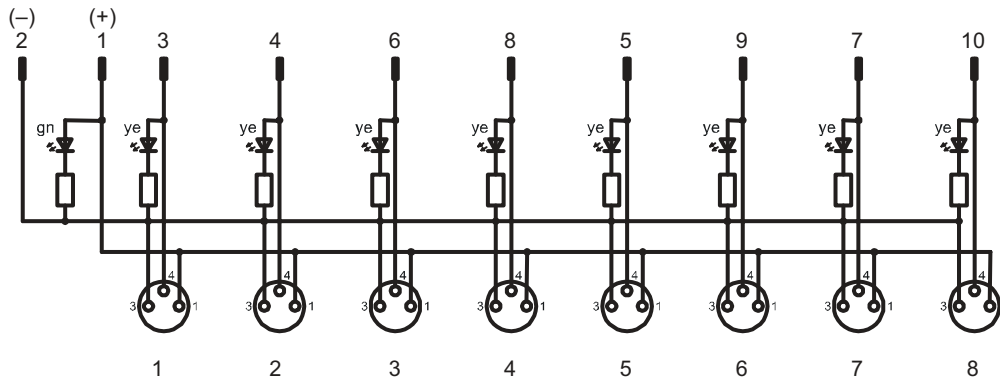
Pin	Pin assignment	Conductor color
1	Socket 1-10 / contact 1	Brown
2	Socket 1-10 / contact 3	Blue
3	Socket 1 / contact 4	White
4	Socket 2 / contact 4	Green
5	Socket 5 / contact 4	Pink
6	Socket 3 / contact 4	Yellow
7	Socket 7 / contact 4	Black
8	Socket 4 / contact 4	Gray
9	Socket 6 / contact 4	Red
10	Socket 8 / contact 4	Violet
11	Socket 9 / contact 4	Gray / Pink
12	Socket 10 / contact 4	Blue / Red



Pin	Pin assignment	Conductor color
1	+	Brown
3	-	Blue
4	S1	See table above



Circuit diagrams



Operation and display

LED	Display	Meaning
1	Green, continuous light	Operating voltage applied
2	Yellow, continuous light	Signal 1


Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50139769	KD U-M12-CA-P1-020	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PUR
	50139770	KD U-M12-CA-P1-050	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR
	50139771	KD U-M12-CA-P1-100	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 10,000 mm Sheathing material: PUR

Accessories

General

	Part no.	Designation	Article	Description
	50134479	CAP M8K-Set	Connection cap	Type: Cap for free sockets Thread size: M8 Material: Plastic

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.