



Part no.: 50130593
MD 7XXP-11-68IO3-12
Distribution box



Figure can vary

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- Technical data
- Dimensioned drawings
- Circuit diagrams
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Part no.: 50130593 – MD 7XXP-11-68IO3-12 – Distribution box

Technical data

Electrical data	
Switching signal	PNP
Performance data	
Total current	1.5 A
Input data logic	
Nominal input voltage U_N	24 V DC
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	6 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 104 mm
Housing material	Plastic
Net weight	111 g
Screw tightening torque	0 N·m
Operation and display	
Type of display	LED
Environmental data	
Ambient temperature, operation	-20 ... 70 °C , Depending on the connected cable
Certifications	
Degree of protection	IP 65 IP 67
Certifications	c UL US
Classification	
Customs tariff number	85369010
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108

ETIM 5.0

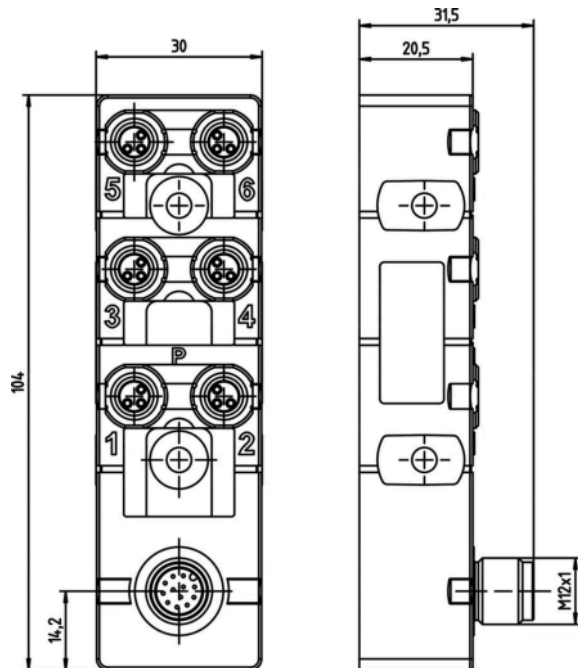
EC002585

ETIM 6.0

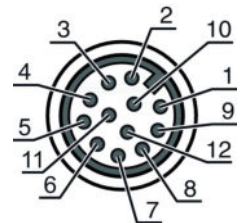
EC002585

Dimensioned drawings

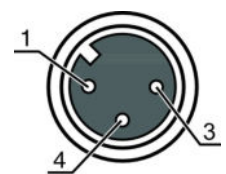
All dimensions in millimeters



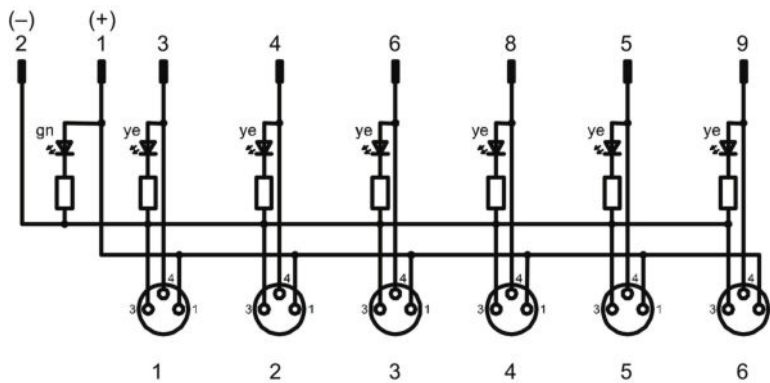
Pin	Pin assignment	Conductor color
1	Socket 1-10 / contact 1	Brown
2	Socket 1-10 / contact 3	Blue
3	Socket 1 / contact 4	White
4	Socket 2 / contact 4	Green
5	Socket 5 / contact 4	Pink
6	Socket 3 / contact 4	Yellow
7	Socket 7 / contact 4	Black
8	Socket 4 / contact 4	Gray
9	Socket 6 / contact 4	Red
10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

LEDs

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	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PUR
	50139770	KD U-M12-CA-P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR
	50139771	KD U-M12-CA-P1-100	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connection 2: Open end Shielded: Yes Cable length: 2,000 mm Sheathing material: PUR

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Connection technology - Connectors

	Part no.	Designation	Article	Description
	50132254	D M12A-12P	Connector	Connection: Connector with solder connection, M12, Axial, Female, A-coded, 12 -pin

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 electronic website in the Download tab of the article detailed page.