

## Technical data sheet

### Distribution box

Part no.: 50130592

MD 7XXP-11-48IO3-12

#### Contents

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



Figure can vary



## Technical data

### Electrical data

Switching signal	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
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Function	Connection to the control
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Thread size	M12
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No. of pins	12 -pin
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Encoding	A-coded
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Type	Male
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#### Distribution box connections

Number of connections	4 Piece(s)
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Thread size	M8
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No. of pins	3 -pin
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Encoding	A-coded
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Type	Female
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Material	Plastic
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Material of O-ring seal	TPU
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Material of contacts	Gold-plated
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Operating current per contact	1.5 A
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### Mechanical data

Design	Cubic
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Dimension (W x H x L)	30 mm x 31.5 mm x 91.5 mm
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Housing material	Plastic
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Net weight	101 g
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Screw tightening torque	0 N·m
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### 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

Certifications	c UL US
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### Classification

Customs tariff number	85369010
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eCl@ss 5.1.4	27279201
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eCl@ss 8.0	27279219
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eCl@ss 9.0	27440108
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eCl@ss 10.0	27440108
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eCl@ss 11.0	27440108
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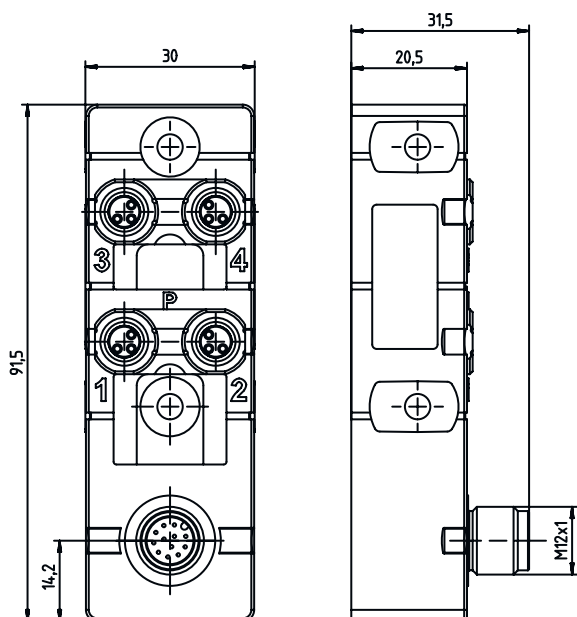
ETIM 5.0	EC002585
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ETIM 6.0	EC002585
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ETIM 7.0	EC002585
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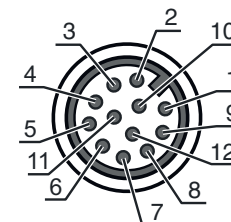
## Dimensioned drawings

All dimensions in millimeters

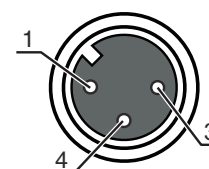


## Electrical connection

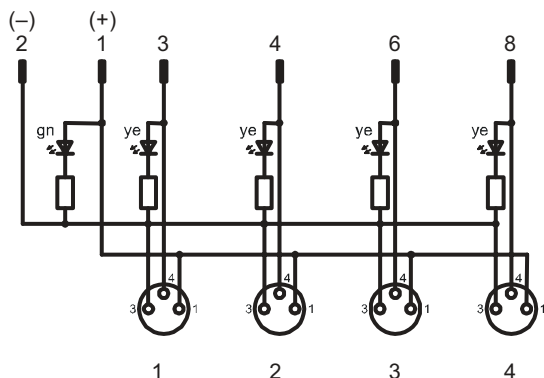
Pin	Pin assignment	Conductor color
1	Socket 1-10 / contact 1	Brown
2	Socket 1-10 / contact 3	Blue
3	Socket 1 / contact 4	White
4	Socket 2 / contact 4	Green
5	Socket 5 / contact 4	Pink
6	Socket 3 / contact 4	Yellow
7	Socket 7 / contact 4	Black
8	Socket 4 / contact 4	Gray
9	Socket 6 / contact 4	Red
10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

## Accessories

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