

## Technical data sheet

### Distribution box

Part no.: 50130994

MD 7XXP-11-82IO5-FK

#### 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	≤ 2 x 8 A
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#### Input data logic

Nominal input voltage U <sub>N</sub>	24 V DC
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### Connection

#### Master connection

Type of connection	Terminal
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Function	Connection to the control
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No. of pins	21 -pin
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Hood material	Polybutylene (PBT)
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#### Distribution box connections

Number of connections	8 Piece(s)
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Thread size	M12
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No. of pins	5 -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	4 A
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### Mechanical data

Design	Cubic
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Dimension (W x H x L)	50 mm x 15 mm x 150 mm
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Housing material	Plastic
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Net weight	210 g
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Screw tightening torque	1 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
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### Certifications

Degree of protection	IP 65
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	IP 67
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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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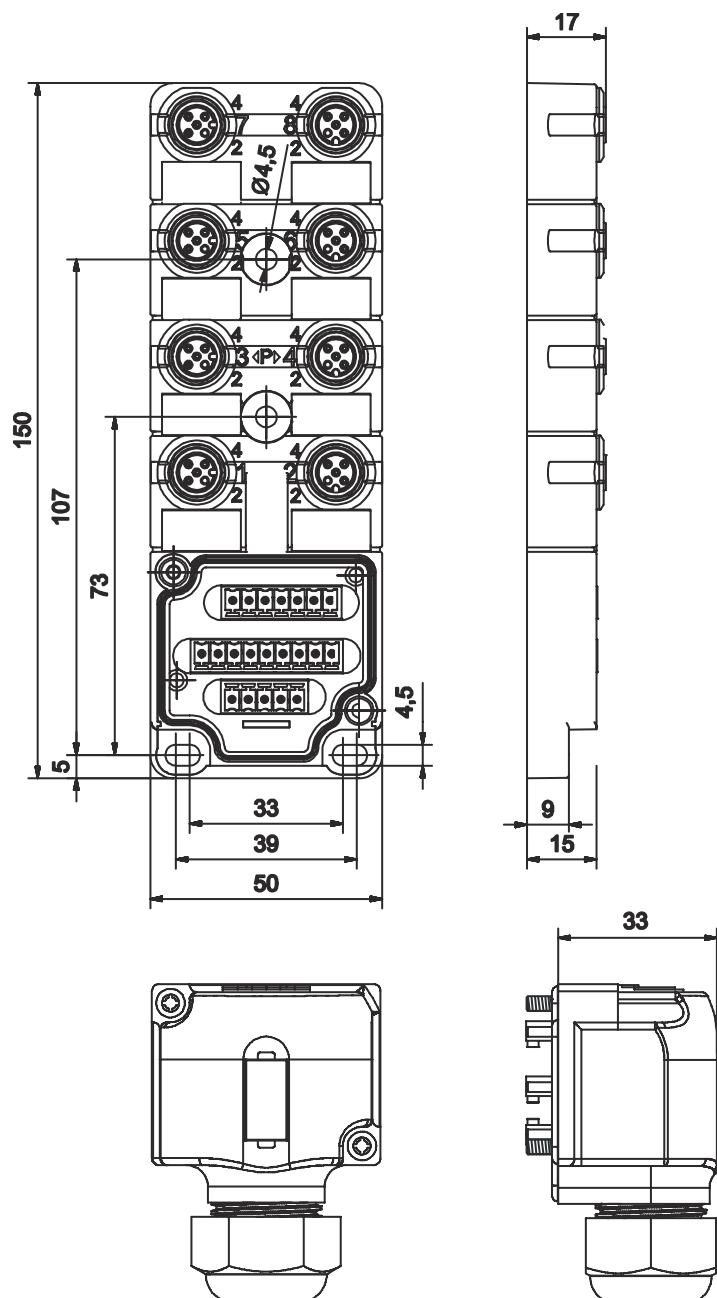
ETIM 5.0	EC002585
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ETIM 6.0	EC002585
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ETIM 7.0	EC002585
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# Dimensioned drawings

All dimensions in millimeters



## Electrical connection

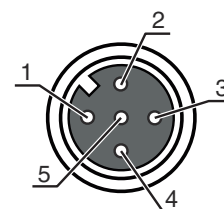
### Connection 1

Type of connection	Terminal
No. of pins	21 -pin

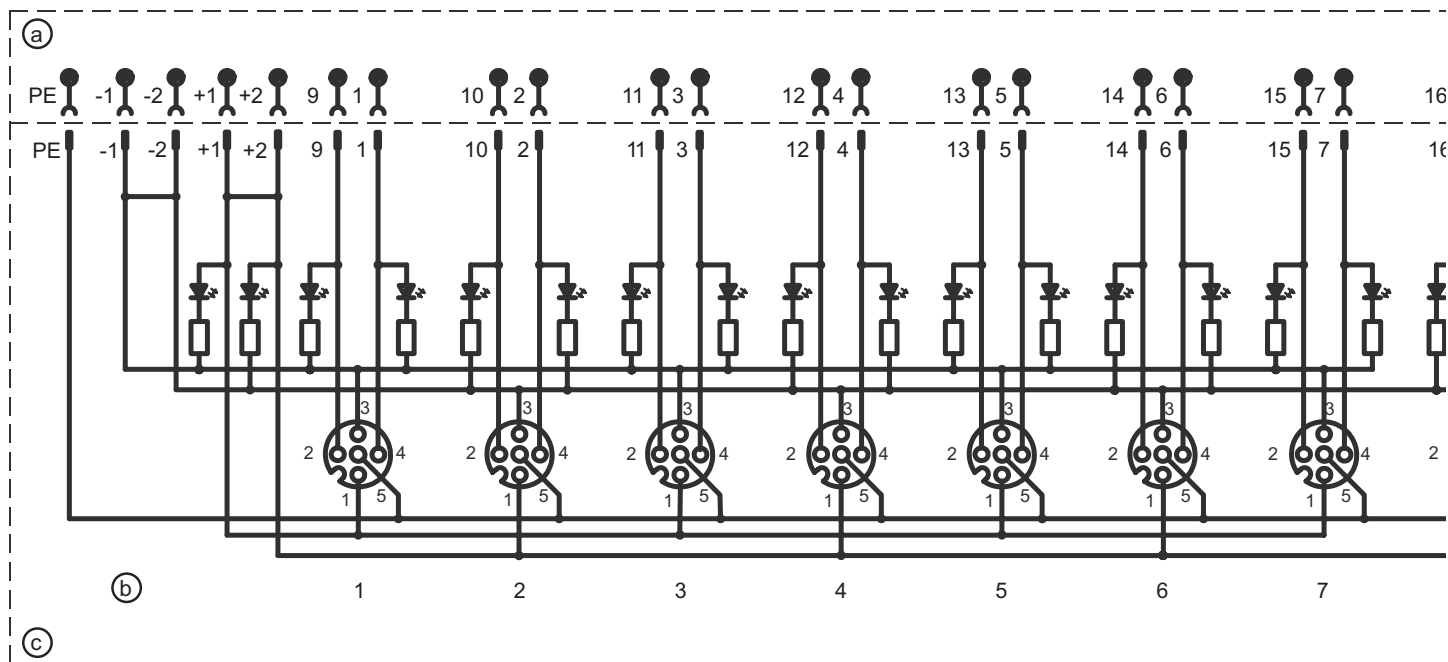
# Electrical connection

Pin	Pin assignment
	9
1	Socket 1 / contact 2 10
2	Socket 2 / contact 2 11
3	Socket 3 / contact 2 12
4	Socket 4 / contact 2 13
5	Socket 5 / contact 2 14
6	Socket 6 / contact 2 16
7	Socket 8 / contact 2 1
8	Socket 1 / contact 4 2
9	Socket 2 / contact 4 3
10	Socket 3 / contact 4 4
11	Socket 4 / contact 4 +1
12	Socket 1-8 / contact 1 +2
13	Socket 1-8 / contact 1 -1
14	Socket 1-8 / contact 3 -2
15	Socket 1-8 / contact 3 PE
16	Socket 1-8 / contact 5 5
17	Socket 5 / contact 4 6
18	Socket 6 / contact 4 7
19	Socket 7 / contact 4 8
20	Socket 8 / contact 4 15
21	Socket 7 / contact 2

Pin	Pin assignment
1	+
2	NC(2)
3	-
4	NO(2)
5	PE



# Circuit diagrams




- a Connection hood
- b Socket
- c Basic housing

## Operation and display


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

## Accessories

### General

	Part no.	Designation	Article	Description
	50134480	CAP M12K-Set	Connection cap	Type: Cap for free sockets Thread size: M12 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.