

Technical data sheet

Distribution box

Part no.: 50130606

MD 7XXP-11-42IO5-13



For illustration purposes only

Contents

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Technical data

Electrical data

Inputs

Switching element PNP

Performance data

Total current 8 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 M23
No. of pins 12 -pin
Encoding A-coded
Type Male

Distribution box connections

Number of connections 4 Piece(s)
Thread size M12
No. of pins 5 -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) 50 mm x 36.5 mm x 100 mm
Housing material Plastic
Net weight 140 g
Screw tightening torque 1 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

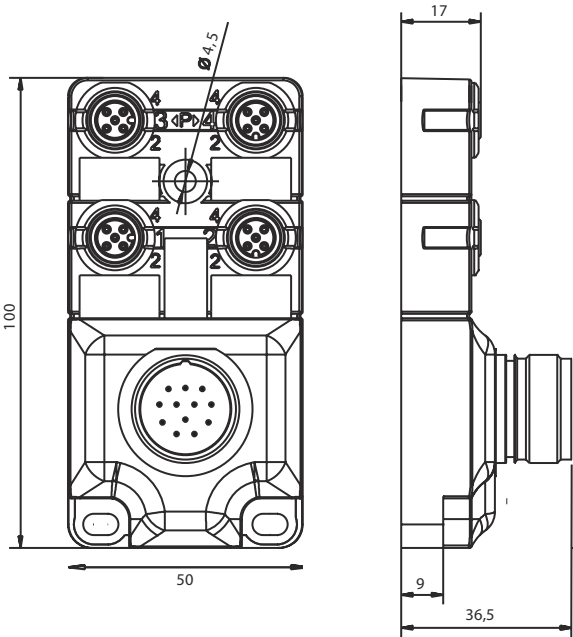
Certifications c UL US

Classification

Customs tariff number 85369010
ECLASS 5.1.4 27279201
ECLASS 8.0 27279219
ECLASS 9.0 27440108
ECLASS 10.0 27440108
ECLASS 11.0 27440108
ECLASS 12.0 27440108
ECLASS 13.0 27440108
ECLASS 14.0 27440108
ETIM 5.0 EC002585
ETIM 6.0 EC002585
ETIM 7.0 EC003558
ETIM 8.0 EC002585
ETIM 9.0 EC002585

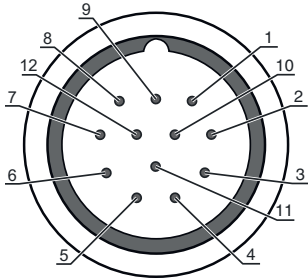
Dimensioned drawings

All dimensions in millimeters

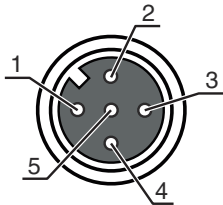


Electrical connection

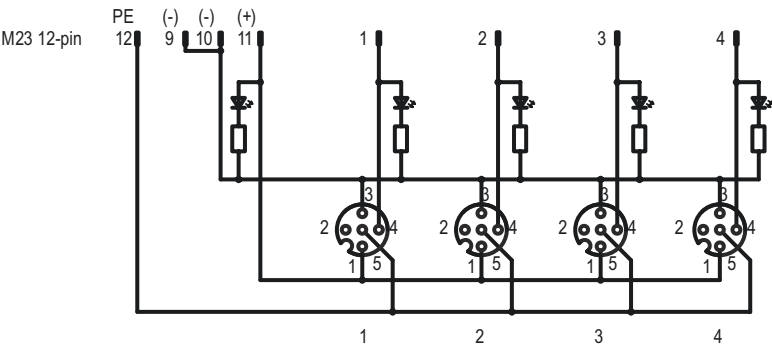
Pin	Pin assignment
1	Socket 1 / contact 4
2	Socket 2 / contact 4
3	Socket 3 / contact 4
4	Socket 4 / contact 4
5	Socket 1 / contact 2
6	Socket 2 / contact 2
7	Socket 3 / contact 2
8	Socket 4 / contact 2
9	Socket 1-4 / contact 3
10	Socket 1-4 / contact 3
11	Socket 1-4 / contact 1
12	Socket 1-4 / contact 5



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



Circuit diagrams



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

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50134969	KD U-M23-CA-P1-050	Connection cable	Connection 1: Connector, M23, Axial, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5.000 mm Sheathing material: PUR
	50134973	KD U-M23-CW-P1-050	Connection cable	Connection 1: Connector, M23, Angled, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5.000 mm Sheathing material: PUR

General

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

Accessories

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