

Technical data sheet

Distribution box

Part no.: 50130608

MD 7XXP-11-82IO5-13



For illustration purposes only

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- Technical data
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- Circuit diagrams
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Technical data

Electrical data

Inputs

Switching element	PNP
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Performance data

Total current	10 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	M23
No. of pins	19 -pin
Encoding	A-coded
Type	Male

Distribution box connections

Number of connections	8 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	4 A

Mechanical data

Design	Cubic
Dimension (W x H x L)	50 mm x 36.5 mm x 150 mm
Housing material	Plastic
Net weight	190 g
Screw tightening torque	1 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

Approvals	c UL US
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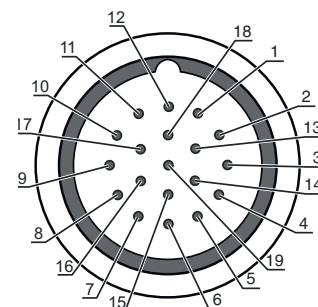
Classification

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
ECLASS 15.0	27440108
ECLASS 16.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585
ETIM 7.0	EC003558
ETIM 8.0	EC002585
ETIM 9.0	EC002585
ETIM 10.0	EC002585

Electrical connection

Pin Pin assignment

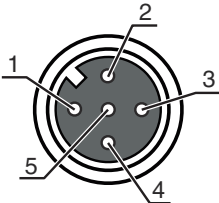
1	Socket 8 / contact 4
2	Socket 6 / contact 4
3	Socket 4 / contact 4
4	Socket 2 / contact 2
5	Socket 2 / contact 4
6	Socket 1-8 / contact 3
7	Socket 1 / contact 2
8	Socket 3 / contact 2
9	Socket 5 / contact 2
10	Socket 7 / contact 2
11	Socket 7 / contact 4
12	Socket 1-8 / contact 5
13	Socket 6 / contact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



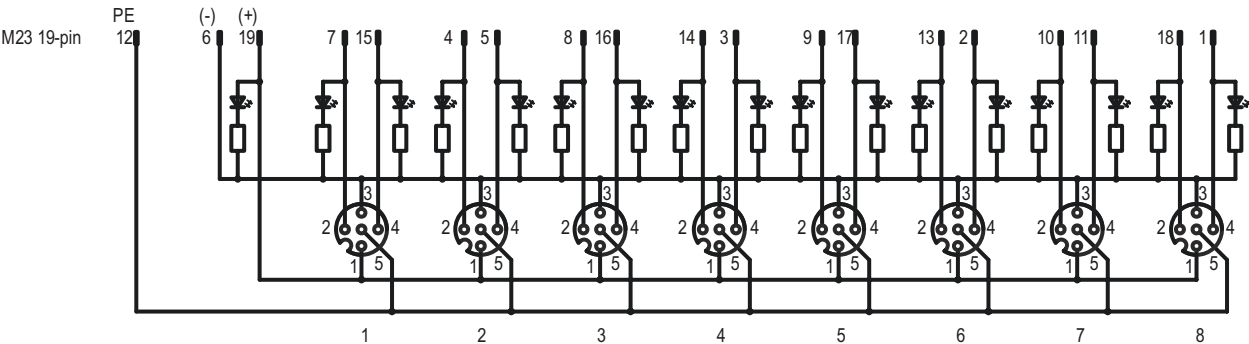
Electrical connection

Pin	Pin assignment
14	Socket 4 / contact 2
15	Socket 1 / contact 4
16	Socket 3 / contact 4
17	Socket 5 / contact 4
18	Socket 8 / contact 2
19	Socket 1-8 / contact 1

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
50134971	KD U-M23-JA-P1-050	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M23, Axial, Female, A-coded, 19 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR



Accessories

	Part no.	Designation	Article	Description
	50134976	KD U-M23-JW-P1-050	Connection cable	Application: Oil and lubricant resistant Connection 1: Connector, M23, Angled, Female, A-coded, 19 -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

Note



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