



Part no.: 50130601
MD 7XXP-11-82IO4-K050
Distribution box



Figure can vary

Contents

- Technical data
- Dimensioned drawings
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- Operation and display
- Accessories

Technical data

Electrical data	
Switching signal	PNP
Performance data	
Total current	10 A
Connection	
Master connection	
Type of connection	Cable
Function	Connection to the control
Cable length	5,000 mm
Cable properties	
Number of conductors	11 Piece(s)
Wire cross section	3 x 0.75 mm ² 8 x 0.34 mm ²
AWG	22
Sheathing color	Gray
Shielded	No
Silicone-free	No
Sheathing material	PUR / PVC
Wire insulation	PVC
Suitability for drag chains	Yes
Traverse rate	Max. 2m/s with horiz. traverse path of 5m and max. acceleration of 5m/s ²
Distribution box connections	
Number of connections	8 Piece(s)
Thread size	M12
No. of pins	4 -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 32 mm x 90 mm
Housing material	Plastic
Net weight	694 g
Bending cycles	2,000,000 Piece(s)
Operation and display	
Type of display	LED
Environmental data	
Ambient temperature, operation, flexible use	-5 ... 80 °C
Ambient temperature, operation, stationary use	-30 ... 80 °C

Certifications

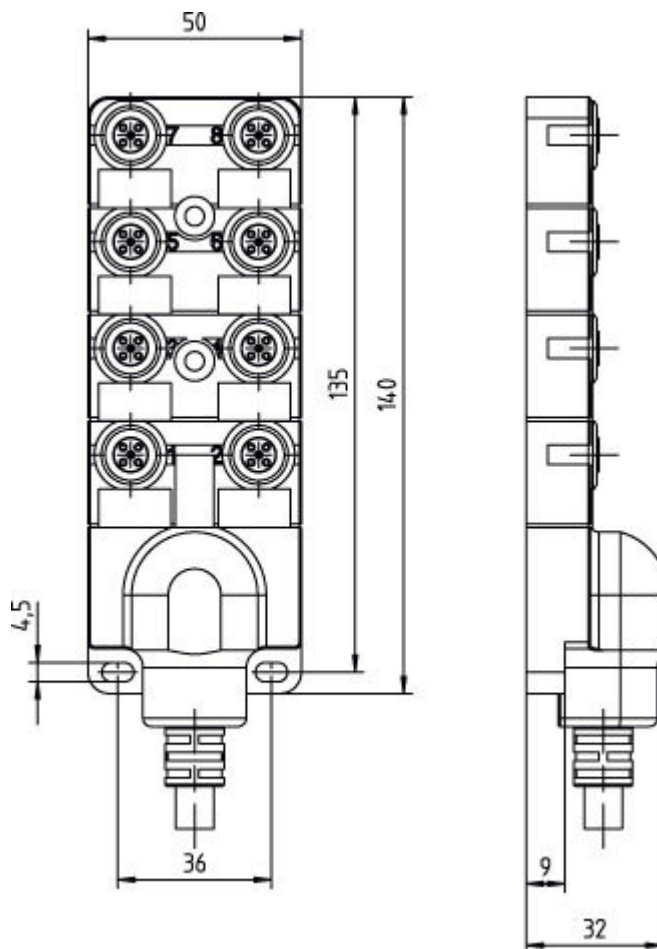
Degree of protection	IP 65 IP 67
Certifications	c UL US

Classification

Customs tariff number	85444290
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585

Dimensioned drawings

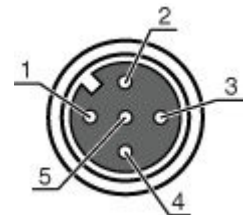
All dimensions in millimeters



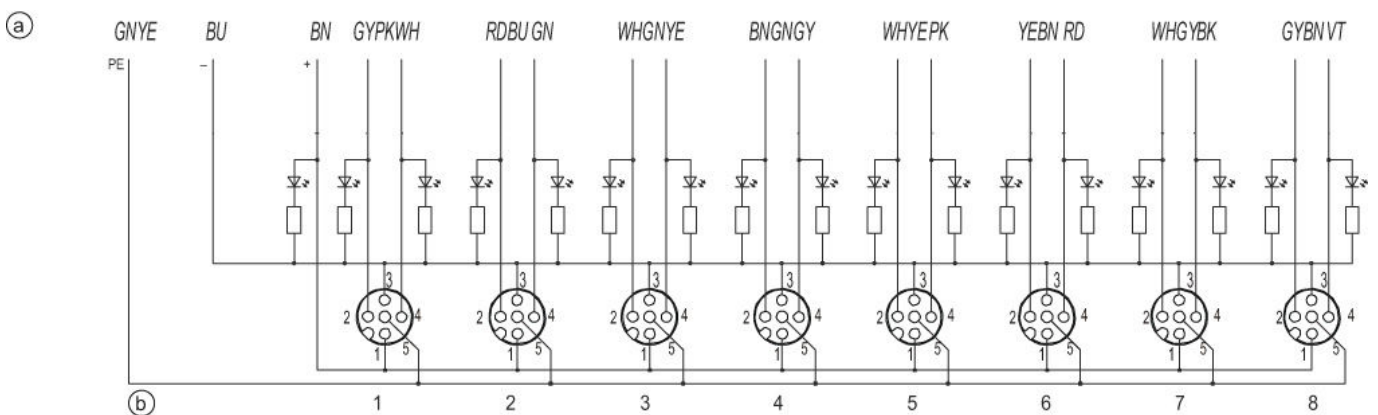
Pin	Pin assignment	Conductor color
1	+	Brown
2	-	Blue
3		Gray Pink
4		White

Pin	Pin assignment	Conductor color
5		Blue Red
6		Green
7		Green White
8		Yellow
9		Brown Green
10		Green
11		White Yellow
12		Pink
13		Brown Yellow
14		Red
15		Gray White
16		Black
17		Brown Gray
18		Violet
19	PE	Green Yellow

Pin	Pin assignment
1	+
2	n.c.
3	-
4	Signal 1 (NO)
5	PE



Circuit diagrams



a Cable
 b Socket
 NOTE M12 socket, 4-pin: contact 2 not connected


Operation and display

LEDs


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

Accessories

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50134904	KDS U-M8-4A-M8-3A-P1-000	Adapter	Connection 1: Connector, M8, Axial, Female, 4 -pin Connection 2: Connector, M8, Axial, Male, 3 -pin

General

	Part no.	Designation	Article	Description
	50134479	CAP M8K-Set	Connection cap	Type: Cap for free sockets Thread size: M8 Material: Plastic