



**Part no.: 50130993**  
**MD 7XXP-11-108IO3-12**  
**Distribution box**



Figure can vary

## Contents

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- Circuit diagrams
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Part no.: 50130993 – MD 7XXP-11-108IO3-12 – Distribution box

## Technical data

### Electrical data

Switching signal	PNP
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### Performance data

Total current	12 A
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### Connection

#### Master connection

Type of connection	Connector
Function	Connection to the control
Thread size	M12
No. of pins	12 -pin
Encoding	A-coded
Type	Male

#### Distribution box connections

Number of connections	10 Piece(s)
Thread size	M8
No. of pins	3 -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)	30 mm x 31.5 mm x 150 mm
Housing material	Plastic
Net weight	148 g

### Operation and display

Type of display	LED
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### Environmental data

Ambient temperature, operation, flexible use	-20 ... 70 °C
Ambient temperature, operation, stationary use	-20 ... 70 °C

### Certifications

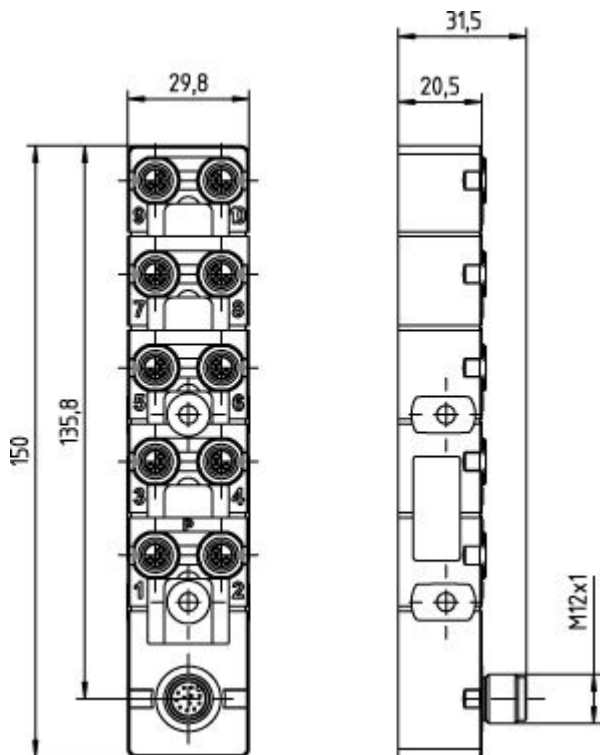
Degree of protection	IP 67, IP 65
Certifications	c UL US

### Classification

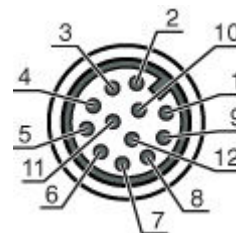
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585

## Dimensioned drawings

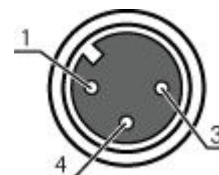
All dimensions in millimeters



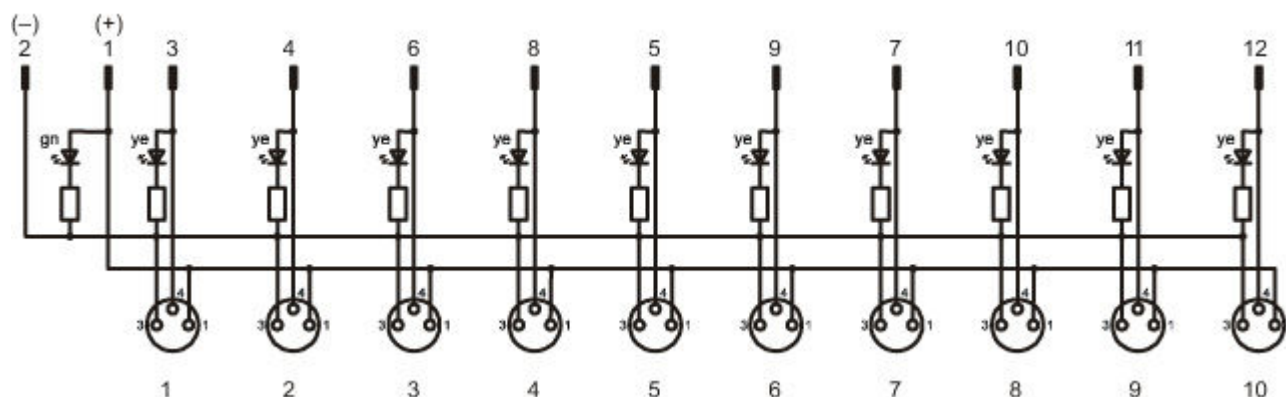
Pin	Pin assignment	Conductor color
1	Socket 1-10 / contact 1	Brown
2	Socket 1-10 / contact 3	Blue
3	Socket 1 / contact 4	White
4	Socket 2 / contact 4	Green
5	Socket 3 / contact 4	Yellow
6	Socket 4 / contact 4	Gray
7	Socket 5 / contact 4	Pink
8	Socket 6 / contact 4	Red
9	Socket 7 / contact 4	Black
10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



Pin	Pin assignment	Conductor color
1	+	Brown
3	-	Blue
4	S1	See table above



## Circuit diagrams






## Operation and display

### LEDs

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
	50130281	KD S-M12-CA-P1-020	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
	50130282	KD S-M12-CA-P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR
	50130283	KD S-M12-CA-P1-100	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connection 2: Open end Shielded: Yes Cable length: 10,000 mm Sheathing material: PUR

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## 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