

Technical data sheet

Distribution box

Part no.: 50144902

MD 742-11-88IO3-12

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Accessories



Figure can vary



Technical data

Basic data

Series	MD 700i
Type	IO-Link hub

Characteristic parameters

MTTF	160 years
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Electrical data

Performance data

Sensor/actuator supply	V_{aux} 1: class A V1 supply, short-circuit proof, 4 A per socket
Supply voltage U_B	24 V
Current consumption, max.	120 mA

Inputs

Number of digital switching inputs	8 Piece(s)
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Switching inputs

Type	Digital switching input
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Interface

IO-Link

COM mode	COM2
Min. cycle time	COM2=38.4 kBit/s
Frame type	2.6
Port type	A
Specification	V1.1
SIO-mode support	Yes
Process data IN	32 byte
Process data OUT	32 byte

Connection

Number of connections	9 Piece(s)
Sensor connections	8 Piece(s)
Connections for voltage supply	1 Piece(s)

Connection 1

Function	Connection to the IO-Link master
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Connection 2

Function	Connection to device
Type of connection	Connector
Thread size	M8
Type	Female
Material	Metal
No. of pins	3 -pin

Mechanical data

Design	Cubic
Dimension (W x H x L)	32 mm x 39 mm x 144.3 mm
Housing material	Halogen-free Plastic
Plastic housing	PA 6 GF 30
Net weight	32 g
Housing color	Black
Type of fastening	Through-hole mounting

Operation and display

Type of display	LED
Number of LEDs	1 Piece(s)

Environmental data

Ambient temperature, operation	-40 ... 70 °C
Ambient temperature, storage	-40 ... 85 °C

Certifications

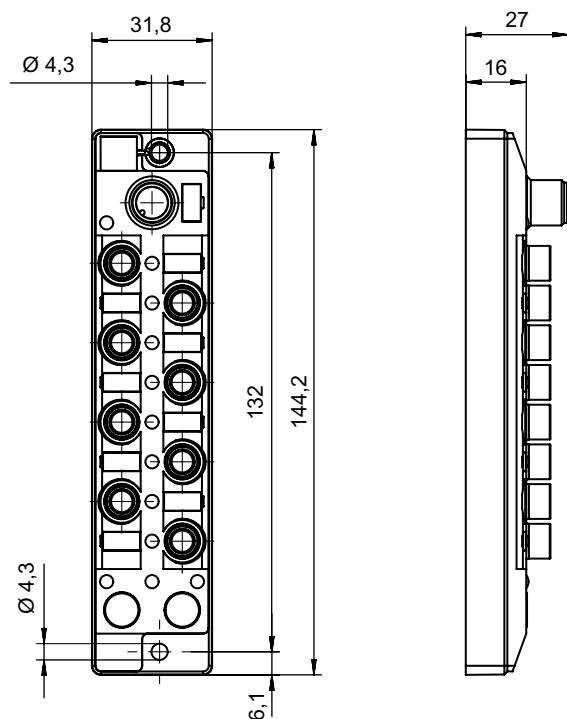
Degree of protection	IP 65 IP 67 IP 69K
Certifications	c UL US
Test procedure for EMC in accordance with standard	EN 61131-2 type 3, PNP
Test procedure for oscillation in accordance with standard	EN 60068-2-6
Test procedure for shock in accordance with standard	EN 60068-2-27

Classification

Customs tariff number	85176200
eCl@ss 5.1.4	19030117
eCl@ss 8.0	19170106
eCl@ss 9.0	19170106
eCl@ss 10.0	19170490
eCl@ss 11.0	19170490
ETIM 5.0	EC002585
ETIM 6.0	EC002585
ETIM 7.0	EC003558

Dimensioned drawings

All dimensions in millimeters



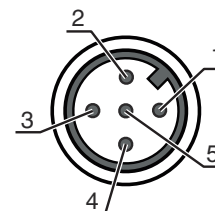
Electrical connection

Connection 1

P1

Function	Connection to the IO-Link master
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	+24 V DC
2	n.c.
3	GND
4	IO-Link / OUT 1
5	n.c.



Connection 2

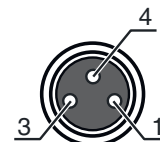
C0 ... C7

Function	Connection to device
Type of connection	Connector
Thread size	M8
Type	Female
Material	Metal
No. of pins	3 -pin

Electrical connection

Pin Pin assignment

1	V _{aux} 1
3	GND
4	IN 1



Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50133841	KD U-M12-5A-P1-050	Connection cable	Connection 1: Rundstecker, M12, axial, female, A-kodiert, 5 -pin Connection 2: offenes Ende Shielded: NO Cable length: 5,000 mm Sheathing material: PUR
	50132537	KD U-M12-5W-P1-050	Connection cable	Connection 1: Rundstecker, M12, gewinkelt, female, A-kodiert, 5 -pin Connection 2: offenes Ende Shielded: NO Cable length: 5,000 mm Sheathing material: PUR
	50130831	KS U-M8-3A-P1-050	Connection cable	Connection 1: Rundstecker, M8, axial, male, 3 -pin Connection 2: offenes Ende Shielded: NO Cable length: 5,000 mm Sheathing material: PUR

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50133298	KDS U-M12-5A-M12-5A-V1-050	Interconnection cable	Connection 1: Rundstecker, M12, axial, female, A-kodiert, 5 -pin Connection 2: Rundstecker, M12, axial, male, A-kodiert, 5 -pin Shielded: NO Cable length: 5,000 mm Sheathing material: PVC
	50130932	KDS U-M8-3A-M12-3A-P1-050	Interconnection cable	Connection 1: Rundstecker, M8, axial, male, 3 -pin Connection 2: Rundstecker, M12, axial, female, A-kodiert, 3 -pin Shielded: NO Cable length: 5,000 mm Sheathing material: PUR
	50130907	KDS U-M8-3A-M8-3A-P1-050	Interconnection cable	Connection 1: Rundstecker, M8, axial, female, 3 -pin Connection 2: Rundstecker, M8, axial, male, 3 -pin Shielded: NO Cable length: 5,000 mm Sheathing material: PUR

Accessories

Note



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