



Part no.: 50135196
MD 708-21-42/D4-12
Ethernet switch



Figure can vary

Contents

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

Part no.: 50135196 – MD 708-21-42/D4-12 – Ethernet switch

Technical data

Basic data

Suitable for	Ethernet
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Functions

Functions	Autocrossing Autonegotiation Full duplex Unmanaged
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Electrical data

Performance data

Supply voltage U_B	18 ... 30 V , DC , Redundant
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Interface

Type	Ethernet
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Ethernet

Address assignment	None
Transmission speed	10 / 100 Mbit/s
Switch functionality	Integrated

Connection

Number of connections	5 Piece(s)
Connections for voltage supply	1 Piece(s)
Number of interface connections	4 Piece(s)

Connection 1

Type of connection	Connector
Function	Voltage supply
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Connection 2

Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Connection 3

Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Connection 4

Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Connection 5

Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Mechanical data

Dimension (W x H x L)	55 mm x 21 mm x 95 mm
Housing material	Metal
Net weight	335 g

Environmental data

Ambient temperature, operation	-25 ... 60 °C
Ambient temperature, storage	-40 ... 80 °C

Certifications

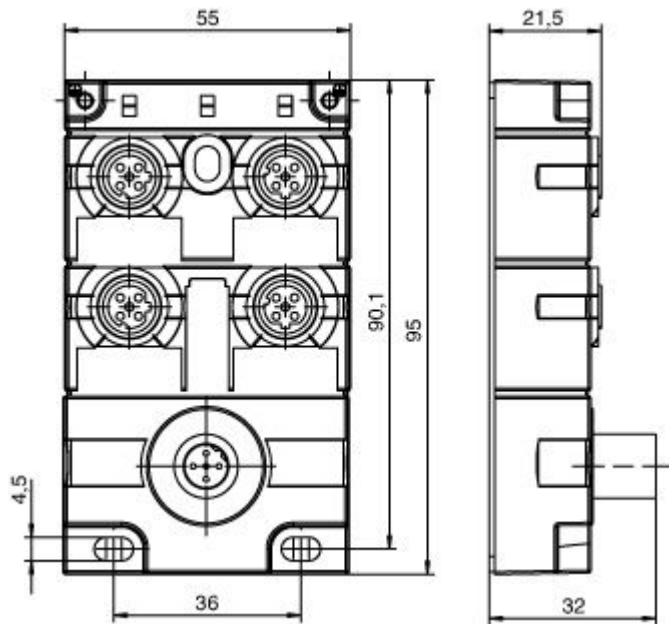
Degree of protection	IP 67
Certifications	c UL US

Classification

Customs tariff number	85176200
eCl@ss 8.0	19170106
eCl@ss 9.0	19170106
ETIM 5.0	EC000734
ETIM 6.0	EC000734

Dimensioned drawings

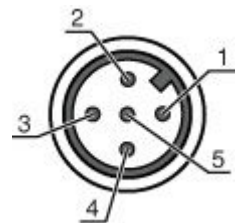
All dimensions in millimeters



Electrical connection

Connection 1	
Type of connection	Connector
Function	Voltage supply
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

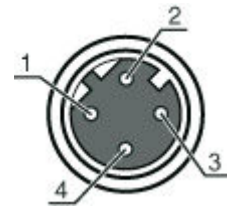
Pin	Pin assignment
1	+24 V DC
2	+24 V DC
3	0 V DC
4	0 V DC
5	GND / Ground



Connection 2	
	0
Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

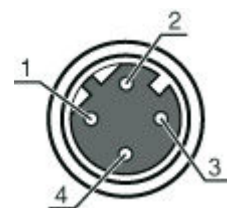
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Pin	Pin assignment
1	Tx+
2	Rx+
3	Tx-
4	Rx-



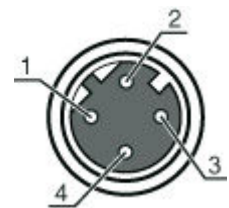
Connection 3	1
Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Pin	Pin assignment
1	Tx+
2	Rx+
3	Tx-
4	Rx-



Connection 4	2
Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

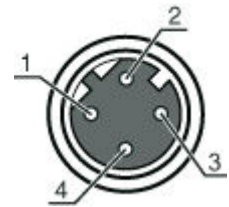
Pin	Pin assignment
1	Tx+
2	Rx+
3	Tx-
4	Rx-



Connection 5	3
Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

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Pin	Pin assignment
1	Tx+
2	Rx+
3	Tx-
4	Rx-





Operation and display

LEDs

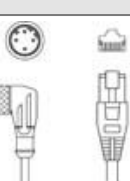
LED	Display	Meaning	
1	UB1	Green, continuous light	Voltage supply OK
		Red, continuous light	Undervoltage < 17 V
2	UB2	Green, continuous light	Voltage supply OK
		Red, continuous light	Undervoltage < 17 V
3	0 to 3	Green, continuous light	100 Mbit/s
		Yellow, continuous light	10 Mbit/s
		Green, flashing	Data exchange active
		Yellow, flashing	Data exchange active

Accessories

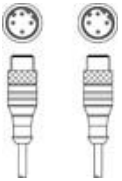
Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50130726	KD S-M12-4A-P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR
	50130729	KD S-M12-4W-P1-050	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50136183	65S ET-M12-4W-RJ45-A-P7-050	Interconnection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Angled, Male, D-coded, 4 -pin Connection 2: RJ45 Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR

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	Part no.	Designation	Article	Description
	50137078	KSS ET-M12-4A-M12-4A-P7-050	Interconnection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin Connection 2: Connector, M12, Axial, Male, D-coded, 4 -pin Shielded: Yes Cable length: 1,000 mm Sheathing material: PUR