Ethernet-Switch 8-Port, unmanaged, 10/100 Mbit, IP67 (700-847-8ES01)

Version 3 for HW 1/2

Application area

The Helmholz Ethernet Switch 8-Port unmanaged IP67 is suitable for installation without a control cabinet in IP67 environments and connects up to 8 Ethernet participants with 10 or 100 Mbps via M12 connections.

Connections

The Ethernet Switch 8-Port IP67 has 8 M12 Ethernet ports (X1, P1-P8). The Ethernet Switch 8-Port IP67 must be supplied with 24 V DC at the wide range input 18...30 V DC (X2). The connection (FE) is for the functional earth. Connect it properly to the reference potential.

Features

- Store-and-Forward architecture
- 10/100Base-T/TX, Full-/Half-Duplex
- Auto negotiation
- Auto MDI/MDI-X (IEEE 802.3u Auto crossover support)
- QoS-Priority-Queues: 8
- LLDP & PTCP Delay-Traffic blocking (for PROFINET networks)
- 16K MAC address lookup table
- 256 Kbyte memory for frame buffering
- 51.2 Gbps high-performance memory bandwidth
- Protection class IP67 for installation without control cabinet

Pin assignments M12

X1, M12 D-coded connector

Pin 1	TX-P
Pin 2	RX-P
Pin 3	TX-N
Pin 4	RX-N

X2, M12 L-coded Power connector

Pin 1	24VDC
Pin 2,4	not connected
Pin 3	GND
Pin 5	FE

X3, M12 A-coded I/O connector

Pin 1	
Pin 2	
Pin 3	No function/for future use
Pin 4	
Pin 5	

LEDs

PWR-LED   On =Power supply available
                     Off = No voltage or the device is damaged

Ethernet LEDs

Orange (Link/Activity):   On = connected   Flashing = data transmission
Green (Speed):   Off = 100 Mbps   Off = 10 Mbps

Technical data

Order no.	700-847-8ES01
Name	Ethernet-Switch 8-Port, unmanaged, 10/100 Mbit, IP67
General information	
- Scope of delivery	Ethernet- Switch 8-Port, short manual
- Dimensions (DxWxH)	24 x 62 x 190 mm
- Weight	approx. 410g
LAN interface (X1)	
- Number	8
- Type	10BASE-T/100BASE-TX, Full-/Half-Duplex, Auto negotiation, Auto MDI/MDI-X
- Connection	M12 D-Coded
- Transmission rate	10/100 Mbps
Status indicator	1 LED power display, 16 LEDs Ethernet-status
Voltage supply (X2)	24 V DC (18…30 V DC)
- Connection	M12 L-Coded
Current draw	max. 80 mA bei 24 V DC
Power loss	max. 2 W
Ambient conditions	
- Ambient temperature	-40 °C … +75 °C
- Transport and storage temperature	-40 °C … +85 °C
- Relative air humidity	95 % r. H. without condensation
- Protection degree	IP67
- Certifications	CE

Note:
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