

Ethernet-Switch 8-Port, unmanaged, 10/100 Mbit, IP67 (21700148)

Application area

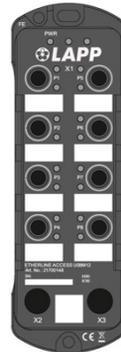
The LAPP Ethernet Switch 8-Port unmanaged IP67 is suitable for installation without a control cabinet in IP67 environments and connects up to 8 Ethernet participants with 10 or 100 Mbps via M12 connections. The unmanaged Ethernet switch IP67 is suitable for PROFINET networks. The LLDP (neighborhood detection) and PTPC (time synchronization) functions are handled correctly with the switch in accordance with the PROFINET standard. The unmanaged Ethernet switch thus complies with PROFINET Conformance Class A.

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.

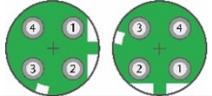
Features

- 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 & PTPC Delay-Traffic blocking (for PROFINET networks)
- PROFINET Conformance Class A
- 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

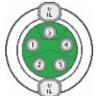


Pin assignments M12

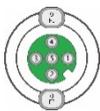
X1, M12 D-coded connector

	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	No function/for future use
	Pin 2	
	Pin 3	
	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): On = 100 Mbps Off = 10 Mbps

Technical data

Order no.	21700148
Name	ETHERLINE® ACCESS U08M12
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; PROFINET Conformance Class A
- 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:

The contents of this document have been checked by us for matching with the hardware and software described. However, we assume no liability for any existing differences, as these cannot be fully ruled out.

The information in this document is, however, updated on a regular basis. When using your purchased products, please make sure to use the latest version of the document, which can be viewed and downloaded in the Internet at www.lappkabel.com/activenetworkcomponents.



Version 1 for HW 1