

Ethernet Switch, 16-port, unmanaged, 10/100 Mbps (700-840-16S01)

Version: 1 / 06/11/2018 for HW 1

Application area

The Helmholz Ethernet Switch 16-port unmanaged is suitable for installation on a DIN rail and connects up to 16 Ethernet participants with 10 or 100 Mbps.

Connections

The Ethernet Switch 16-port has 16 RJ45 connections. The Ethernet Switch 16-port must be supplied with 24 V DC at the 18 - 30 wide range input via the provided connector plug. The terminal (FG) is for the functional ground. Connect this correctly with the reference potential.

Features

- Store-and-Forward architecture
- 10/100Base-T/TX, Full-/Half-Duplex (Autonegotiation)
- HP Auto MDI/MDI-X & IEEE 802.3u Auto crossover support
- CoS according to IEEE 802.1Q
- Qos-Priority-Queues: 8
- LLDP & PTCP Delay-Traffic blocking (for PROFINET networks)
- 2x 16K MAC address lookup table
- 2x 256 KByte memory for frame buffering
- IEEE 802.3x Full duplex flow control
- Up to 51 Gbps high-performance memory bandwidth
- support frame sizes up to 10KByte



LEDs

PWR Led On = Power supply present
 Off = No voltage or the device is defective

RJ45 LEDs

Orange (Link/Activity): On = Connected Blinks = Data transmission
Green (Speed): On = 100 Mbps Off = 10 Mbps

Technical data

Order no.	700-840-16S01
Name	Ethernet Switch, unmanaged, 16-port, 10/100 Mbps for DIN rail
General information	
- Scope of delivery	Ethernet 16-port switch with power supply plug, short manual
- Dimensions (DxWxH)	32 x 123 x 76 mm
- Weight	approx. 270g

LAN interface	
- Number	16
- Type	10/100Base-T/TX, Full/Half-Duplex (Autonegotiation) Auto MDI/MDI-X; IEEE Autocrossover
- Connection	RJ45
- Transmission rate	10/100 Mbps
Status indicator	1 LEDs power display, 32 LEDs Ethernet status
Voltage supply	24 V DC (18...30 V DC)
Current draw	max. 150 mA with 24 V DC
Environment requirements	
- Ambient temperature	-25 °C ... +75 °C
- Transport and storage temperature	-40 °C ... +85 °C
- Relative air humidity	95 % r H without condensation
- Pollution degree	2
- Protection rating	IP20
- 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.helmholz.de.