

Ethernet Switch 8-port, unmanaged, 10/100/1000 Mbps 700-841-8ES01

Version: 1 - 09/13/2019 for HW 1

Application area

The Helmholz Ethernet Switch 8-port, unmanaged is suitable for installation on a DIN rail and connects up to 8 Ethernet participants with 10, 100 or 1000 Mbps.

Connections

The Ethernet Switch 8-port has 8 RJ45 connections. The Ethernet Switch 8-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
- 10/100/1000Base-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)
- 16K MAC address lookup table
- 256 Kbyte memory for frame buffering
- 51.2 Gbps high-performance memory bandwidth
- support Jumbo 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 or Blinks = Data transmission		
Green (Speed):	On = 1000 Mbps	Blinks = 100 Mbps	Off = 10 Mbps

Technical data

Order no.	700-841-8ES01
Name	Ethernet Switch 8-Port, unmanaged, 10/100/1000 Mbps for DIN rail
General information	
- Scope of delivery	Ethernet 8-port switch with power supply plug, short manual
- Dimensions (DxWxH)	32 x 65 x 76 mm
- Weight	approx. 150g
LAN interface	
- Number	8
- Type	10/100/1000Base-T/TX, Full/Half-Duplex, Auto negotiation Auto MDI/MDI-X
- Connection	RJ45
- Transmission rate	10/100/1000 Mbps
Status indicator	1 LEDs power display, 16 LEDs Ethernet status
Voltage supply	24 V DC (18...30 V DC)
Current draw	max. 150 mA with 24 V DC
Power loss	3,6 W
Environment requirements	
- Ambient temperature	-25 °C ... +60 °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.