

FLEXtra SLIM Ethernet Switch unmanaged, 5-port, 1 GBit (700-843-5ES01)

Version 1 for HW-Version 1

Application area

The Helmholz “FLEXtra SLIM Ethernet-Switch unmanaged, 5-Port, 1 Gbit” is suitable for installation on a DIN rail and connects up to 5 Ethernet participants with 10, 100 or 1000 Mbps. The unmanaged Ethernet switch 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 FLEXtra SLIM Ethernet Switch 5-port has 5 RJ45 connectors (X1P1 – X1P5). The Switch must be supplied with 24 V DC at the 18 - 30 wide range input via the provided connector plug. The terminal (FE, ⚡) is for the functional ground. Connect this correctly with the reference potential.

Features

- Store-and-Forward architecture
- 10Base-T/100Base-TX/1000Base-T
- Full-/Half-Duplex
- Autonegotiation
- Auto MDI/MDI-X (IEEE 802.3u Auto crossover support)
- LLDP & PTPC Delay-Traffic blocking (for PROFINET networks)
- PROFINET Conformance Class A
- QoS-Priority Queues: 8
- 4K MAC address lookup table
- Maximum frame size: 9216 bytes



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 = 1000 Mbps	Off = 10/100 Mbps



Attention: *If the device is used in a manner not specified by the manufacturer, the protection provided by the device may be affected. Pay special attention to the correct contact during cable installation. If you have problems, always read the latest documentation first, which can be found on the Internet at www.helmholz.com. Connected circuits shall meet the requirements of Limited energy circuits acc. UL61010-1.*

Technical data

Order no.	700-843-5E501
Name	FLEXtra SLIM Ethernet Switch 5-Port, unmanaged, 1 Gbit
Scope of delivery	Ethernet 8-port switch with power supply plug, short manual
Dimensions (DxWxH)	65 x 25 x 109 mm
Weight	approx. 165g
LAN interface	
Number	5
Connection	RJ45
Transmission rate	10/100/1000 Mbps
Type	10Base-T/100Base-TX/1000Base-T, Full/Half-Duplex, Autonegotiation, Auto MDI/MDI-X; IEEE Auto crossover; LLDp & PTCp Delay-Traffic blocking (for PROFINET networks)
Status indicator	
Power display	1 LED, green
Ethernet status	10 LEDs, green/orange
Power supply	
Voltage supply	24 V DC (18...30 V DC)
Current draw	max. 125 mA with 24 V DC
Power loss	Max. 3,0 W
Ambient conditions	
Ambient temperature	-25 °C ... +75 °C
Transport and storage temp.	-40 °C ... +85 °C
Relative air humidity	95 % r H without condensation
Protection rating	IP20
Approvals	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.