

FLEXtra Ethernet Switch 16-port, unmanaged, 10/100/1000 Mbps 700-845-16S01

Version 2 for HW 1 or higher; 6/29/2021

Application area

The Helmholz FLEXtra Ethernet Switch 16-port, unmanaged is suitable for installation on a DIN rail and connects up to 16 Ethernet participants with 10, 100 or 1000 Mbps.

Connections

The FLEXtra Ethernet Switch 16-port has 16 RJ45 connections. The Ethernet switch 16 port must be supplied at least once with 24 V DC at the wide range input 18...30 V DC via the supplied connector plug. The power supply is redundant.

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
- Auto negotiation
- Auto MDI/MDI-X (IEEE 802.3u Auto crossover support)
- 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
- Up to 51 Gbps high-performance memory bandwidth
- support Jumbo frame sizes up to 10Kbyte
- redundant power supply



LEDs

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

RJ45 LEDs

Orange: On or blinks = Connection or data transmission with 1000 Mbps
Green: On or blinks = Connection or data transmission with 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.	700-845-16S01
Name	FLEXtra Ethernet Switch 16-Port, unmanaged, 10/100/1000 Mbps for DIN rail
General information	
- Scope of delivery	Ethernet 16-port switch with power supply plug
- Dimensions (DxWxH)	78 x 125 x 111 mm
- Weight	approx. 550 g
LAN interface	
- Number	16
- Type	10BASE-T/100BASE-TX/1000BASE-T, Full/Half-Duplex, Auto negotiation, Auto MDI/MDI-X
- Connection	RJ45
- Transmission rate	10/100/1000 Mbps
Status indicator	1 LEDs power, 16 LEDs Ethernet status (bicolour)
Voltage supply	2x 24 V DC (18...30 V DC), redundant
Current draw	max. 400 mA with 24 V DC
Power loss	Max. 9,6 W
Environment requirements	
- Ambient temperature	-40 °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
REACH & RoHS	Yes

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 on the Internet at www.helmholz.de.