# Ethernet Switch 5-port, unmanaged, 10/100/1000 Mbps
# 700-841-5ES01

Version: 1 - 09/16/2019 for HW 1

## Application area

The Helmholz Ethernet Switch 5-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 5-port has 8 RJ45 connections. The Ethernet Switch 5-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 & PTCP 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. | 700-841-5ES01 |
|---|---|
| Name | Ethernet Switch 5-Port, unmanaged, 10/100/1000 Mbps for DIN rail |
| General information | |
| - Scope of delivery | Ethernet 5-port switch with power supply plug, short manual |
| - Dimensions (DxWxH) | 32 x 49 x 76 mm |
| - Weight | approx. 115g |
| LAN interface | |
| - Number | 5 |
| - 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, 10 LEDs Ethernet status |
| Voltage supply | 24 V DC (18...30 V DC) |
| Current draw | max. 130 mA with 24 V DC |
| Power loss | 3,2 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.*