



### 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)
- ✓ PROFINET Conformance Class A
- ✓ 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

## Ethernet-Switch unmanaged 8x RJ45 10 / 100 / 1000MBit

With its very compact design the unmanaged Ethernet-Switch can be used for a wide range of industrial applications and convinces with its light but robust design.

The new Helmholz unmanaged Ethernet switches for up to 1000 Mbit (Gigabit) can be used for a variety of industrial applications because of their very compact design. The lightweight and tough industrial design is suitable for mounting on a DIN rail and can be easily integrated into your network. Once

plugged in, it's ready for use thanks to the simple Plug & Play solution. The tool-free push-in connection for the power supply supports you.

The unmanaged Ethernet switch is suitable for PROFINET networks. The LLDP (neighborhood detection) and PTCP (time synchronization) functions are handled correctly with the switch in accordance with the PROFINET standard.

The unmanaged Ethernet switch thus

corresponds to PROFINET Conformance Class A.

With this variant of the unmanaged Ethernet-Switch, you can connect up to 8 Ethernet participants with up to 1000 Mbps. A mixed operation with devices that support only 10 or 100 Mbit is possible without configuration effort. If you would like to connect more participants, we recommend our 16-port unmanaged Ethernet Switch.

### General information

|                    |   |
|--------------------|---|
| Order number       | 700-841-8ES01   |
| Article name       | Ethernet-Switch 8-port, unmanaged, 10/100/1000Mbps          |
| Scope of delivery  | Ethernet 8-port switch with power supply plug, short manual |
| Dimensions (DxWxH) | 32.5 x 64 x 80.5 mm   |
| Weight             | Approx. 150g  |

|                   |                              |
|-------------------|------------------------------|
| Number            | 8                            |
| Connection        | RJ45                         |
| Transmission rate | 10/100/1000 Mbps             |
| Type              | 10/100/1000Base-T/TX         |
|                   | Full/Half-Duplex             |
|                   | Auto negotiation             |
|                   | Auto MDI/MDI-X               |
|                   | PROFINET Conformance Class A |

### LAN interface

### Status Indicator

|                 |         |
|-----------------|---------|
| Power display   | 1 LED   |
| Ethernet status | 16 LEDs |

### Power supply

|                   |                        |
|-------------------|------------------------|
| Voltage supply    | 24 V DC (18...30 V DC) |
| Current draw      | max. 150 mA at 24 V DC |
| Power dissipation | 3,6W                   |

### Ambient conditions

|                                   |                   |
|-----------------------------------|-------------------|
| 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                             |
| Mounting position     | as desired                    |
| Approvals             | CE, UL                        |

### UL

|                          |  |
|--------------------------|--|
| UL                       | UL 61010-1/ UL 61010-2-201                               |
| Pollution degree         | 2  |
| Voltage supply           | DC 24 V (18 ... 30 VDC, SELV and limited energy circuit) |
| Altitude                 | Up to 2000 m   |
| Temperature cable rating | 87 °C  |