Helmholz®
COMPATIBLE WITH YOU

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 unmanged
5x 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 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 LLPD (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 5 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 8-Port or 16-port unmanaged Ethernet Switches.

General information

Order number	700-841-5ES01
Article name	Ethernet-Switch 5-port, unmanaged, 10/100/1000 Mbps
Scope of delivery	Ethernet 5-port switch with power supply plug, short manual
Dimensions (DxWxH)	32.5 x 48.5 x 80.5 mm
Weight	Approx. 115g

LAN interface

Number	5
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

Status Indicator

power display	1 LED

Ethernet status	10 LEDs

Relative air humidity	95 % r H without condensation
Protection rating	IP20
Mounting position	as desired
Approvals	CE, UL

Power Supply

Voltage supply	24 V DC (18...30 V DC)
Current draw	max. 130 mA with 24 V DC
Power dissipation	3,2W

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

Ambient conditions

Ambient temperature	-25 °C … +75 °C
Transport and storage temperature	-40 °C … +85 °C