

Ethernet Switch
IP 30



Advantages

- Small housing format
- Robust metal housing
- Adapted for mounting onto top hat mounting rail 35 mm according to EN 60 715
- RoHS compliant

General Description

The Ethernet Switch ESC TP08 can be used in industrial environments and supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). Up to 8 Ethernet devices can be connected via the RJ45-ports.

The Ethernet Switch supports a simple and quickly network diagnostics with integrated LEDs at every port. It works as unmanaged switch in the Store and Forward switching mode and supports Auto-crossing, Auto-negotiation and Auto-polarity.

Identification	Part number	Drawing	Dimensions in mm
<p>ESC TP08</p> <p>Ethernet Switch with 8 ports RJ Industrial</p>	<p>20 76 108 3000</p>		

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

Technical characteristics

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and Forward switching mode

Ethernet Interface

Number of ports	• 8x 10/100Base-TX, unmanaged
Cable types acc. to IEEE 802.3	• Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	• 10/100Mbit/s (RJ45)
Maximum cable length	• 100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1)
Terminating method	• RJ45 (Twisted Pair)
Diagnostics (via LED)	• Power supply • Status Link - green • Status Data transfer (Act) - green flashing • Data transfer rate (Speed) - 100 Mbit/s: yellow / 10 Mbit/s: OFF
Topology	Line, Star or mixed

Power Supply

Power supply	24 V DC
Permissible range	12 V to 30 V
Current consumption	125 mA (at 24 V DC)
Terminating Power supply	3-pole pluggable contact (24 V; GND; PE)

Design features

Material of housing	Sheet steel (grey painted)
Dimensions (W x H x D)	23 x 130 x 100 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30

Environmental conditions

Operating temperature	0 °C to +55 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	30 % to 95 % (non-condensing)

Approvals

cUL	(in preparation)
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