

Ethernet Switch HARTING eCon 2000

Ethernet switches, unmanaged,
for flat mounting onto top-hat mounting rail
in control cabinets



General Description

The Fast Ethernet switches of the product family HARTING eCon 2000 are suitable for industrial applications and support both Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). The product family enables the connection of up to 5 network devices (according to type) over shielded Twisted Pair cables.

Through its horizontal mounting and the clearly laid out integrated LEDs on each port, the eCon 2000 Ethernet switch family supports fast and easy network diagnosis. The eCon Ethernet switch operates as an unmanaged switch in Store and Forward Switching Mode and supports Auto-crossing, Auto-negotiation and Auto-polarity

Due to their mechanical attachment, the eCon 2000 Fast Ethernet switches can be mounted on or dismantled from standard 35 mm top-hat rails without tools.

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and Forward Switching Mode

Advantages

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

Application fields

- Industrial automation
- Automotive industry
- Wind power
- Power distribution systems

Technical characteristics

Ethernet interface RJ45

Number of ports	3x / 4x / 5x 10/100Base-TX
Cable types according to IEEE 802.3	Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	10 Mbit/s or 100 Mbit/s (RJ45)
Maximum cable length	100 m (Twisted Pair; with Category 5 cable acc. to DIN EN 50 173-1)
Terminating method	RJ45 (Twisted Pair)
Diagnostics (via LED)	<ul style="list-style-type: none"> • Status Link – Green • Data transfer (Act) – Green flashing • Data transfer rate (Speed) – 100 Mbit/s: Yellow / 10 Mbit/s: OFF
Topology	Line, Star or mixed

Power supply

Input voltage	24 V DC (12 to 30 V DC)
Terminating method	3-pole pluggable screw contact (24 V; GND; PE)
Diagnostics (via LED)	Power supply

Design features

Housing material	Aluminium, anodised
Dimensions (W x H x D)	46.5 x 25.5 x 105 mm (without connectors)
Degree of protection acc. to DIN 60 529	IP 30
Mounting	35 mm top-hat rail acc. to EN 60 715
Weight	approx. 0.5 kg

Environmental conditions

Operating temperature	– 10 °C to + 70 °C
Storage temperature	– 40 °C to + 85 °C
Relative humidity	30 % to 95 % (non-condensing)