



Ethernet Switch HARTING eCon 7000

Ethernet switches, unmanaged, for use in harsh industrial environments

General Description

The Fast Ethernet switches of the product family HARTING eCon 7000 allow, according to type, the connection of up to 10 end units in industrial networks.

Protection class, temperature range and mechanical stability meet the highest demands. These Fast Ethernet switches can therefore be used directly in industrial environments.

Through their use, a reduction of cabling costs in the construction of industrial networks will be achieved. The Ethernet switches facilitate any kind of network configuration. All connections are plugged, which ensures that assembly and disassembly is fast and reliable.

Features

- Ethernet switch acc. to IEEE 802.3
- Store and Forward Switching Mode, non-blocking
- 5 / 10 ports unmanaged
- Auto-crossing, Auto-negotiation, Auto-polarity
- Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s)
- Diagnostic LEDs (Link status, Data, Power, Error)

Advantages

- High degree of protection IP 65 / IP 67
- Robust metal housing
- Can be used directly in industrial environments
- EMC, temperature range and mechanical stability meet the highest demands
- PROFINET compatible

Application fields

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

Technical characteristics

Ethernet interface

Number of ports	5x, 10x 10/100Base-TX
Cable types	Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	10 Mbit/s or 100 Mbit/s
Maximum cable length	100 m (with Category 5 cable acc. to EN 50 173)
Termination device-side	Han® 3 A RJ45 (female) M12, D-coding (female)
Diagnostics (via LED)	<ul style="list-style-type: none"> • Status Link – Green • Data transfer (Act) – Yellow flashing
Topology	Line, Star or mixed

Power supply

Input voltage	24 V DC (16.8 to 30 V DC)
Termination device-side	Han® 4 A (male), redundant power supply (including fixing screw 09 20 000 9918, to maintain IP 67), M12, A-coding (male)
Diagnostic (via LED)	Power supply – Green

Alarm signalling contact (eCon 7100 only)

Termination device-side	Change-over contact, potential-free, 24 V DC / 0.5 A
Diagnostic (via LED)	Error – Red

Design features

	eCon 7050	eCon 7100
Housing material	Zinc die-cast	Zinc die-cast
Dimensions (W x H x D)	45 x 120 x 87 mm	90 x 120 x 87 mm
Degree of protection acc. to DIN 60529	IP 65 / IP 67	IP 65 / IP 67
Mounting	35 mm top-hat rail acc. to EN 60715, Panel mounting, vertical assembly, Panel mounting, flat assembly	Panel mounting, vertical assembly
Weight	approx. 0.8 kg	approx. 1.4 kg

Environmental conditions

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