

Ethernet Switch Ha-VIS FTS 3000s

Industrial Ethernet Switch Ha-VIS FTS 3100s-A



Advantages

- Identification, acceleration and preference for automation frames
- Deterministic data transfer for selected profiles
- Ethernet Switch acc. IEEE 802.3
- Fast Track Switching Mode, Store-and-forward switching mode
- Robust metal housing
- Individually configurable via USB
- RoHS conform

General Descripton

The Fast Ethernet switches of the product family HARTING Ha-VIS FTS 3000s can identify automation profiles (e.g. PROFINET, EtherNet/IP, Modbus TCP and customized profiles), accelerate their data transmission and prefer them. They are suitable for industrial applications. The product family enables the connection of up to 10 network devices over shielded Twisted Pair. It supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s).

The Ethernet Switch works as an unmanaged switch in Fast Track Switching- and store-and-forward-mode. It supports Auto-crossing, Auto-negotiation and Auto-polarity.

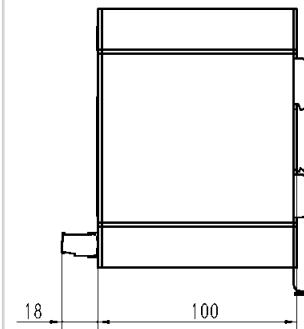
Identification

- Ha-VIS FTS 3100s-A
Ethernet Switch, 10 RJ45 ports
for top hat mounting rail

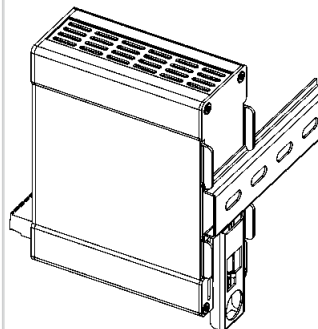
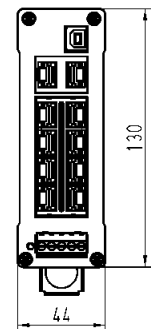
Part number

20 78 110 1000

Drawing



Dimensions in mm



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Technical characteristics

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and forward switching mode
- Fast track switching mode

Power Supply

Voltage

- 24 V DC

Permissible range

- 12 V to 48 V

Input current

- 270 mA (at 24 V DC)

Power supply termination

- 5-pole pluggable screw contact, for redundant power supply

Diagnostics (via LED)

- Power Supply ok: green

Low Voltage: red

Parameterisation via USB

- Auto-negotiation
- 10/100 Mbit/s
- Full/Half Duplex
- Port enable/disable
- Port mirroring
- Flow Control
- FTS Port enable/disable
- Industrial Profile (PROFINET, EtherNet/IP, Modbus TCP, customized)
- NRT Bandwidth Control

Ethernet interface RJ45

Number of ports

- 10

Cables 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

Maximum cable length

- 100 m /Twisted Pair, with Category 5 cable acc. to DIN EN 50 173-1

Termination

- RJ45 /Twisted Pair

Diagnostics (via LED)

- Status Link – green
- Status Data Transfer (Act) – green flashing
- Data Transmission rate (Speed) – 100 Mbit/s: yellow / 10 Mbit/s: OFF

Topology

- Line, star or mixed

Design features

Housing material

- Aluminium, anodized

Dimensions (W x H x D)

- 44 x 130 x 110 mm (without connectors)

Degree of protection acc. to DIN 60529

- IP 30

Mounting

- 35mm top-hat rail acc. to EN 60715

Weight

- Panel mounting, vertical assembly

- Approx. 0.5 kg

Environmental conditions

Operating temperature

- 0°C ... +55°C

Storage temperature

- -40°C ... +85°C

Relative humidity

- 30 % ... 90 % (non condensing)



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