## Ha-VIS FTS 3082-ASFP





## Ethernet Switch Ha-VIS FTS 3082-ASFP 10-port Ethernet Switch with Fast Track Switching Technology,

with 2 slots for SFP modules, managed

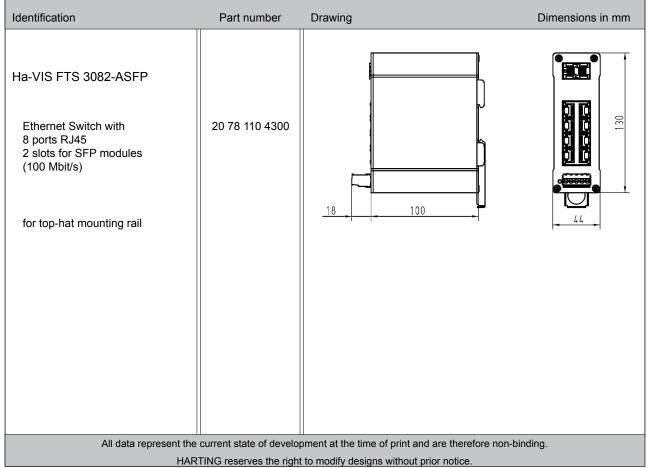
## Advantages

- Identification, acceleration and preference for automation frames
- Deterministic data transfer for selected profiles
- Managed Ethernet Switch acc. to IEEE 802.3
- Fast Track Switching Mode, Store and Forward Switching mode
- Robust metal housing, RoHS compliant

**General Description** 

The Fast Ethernet Switches of the product family Ha-VIS FTS 3000 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 Ha-VIS FTS 3082-ASFP enables the connection of up to 8 network devices over shielded Twisted Pair and further 2 devices via F.O. ports (depending on chosen SFP modules). It supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). The Ethernet Switch works as a managed switch and can work in Fast Track Switching Mode and in Store and Forward mode. It supports Auto-crossing, Auto-negotiation and Auto-polarity.



Han® Data Sheet 0590

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Features	Auto-crossing
	Auto-negotiation
	Auto-polarity     Store and Forward Switching mode
	<ul><li>Store and Forward Switching mode</li><li>Fast Track Switching mode</li></ul>
Ethernet Interface	
Number of ports	<ul> <li>8x 10/100Base-TX, managed</li> <li>2x slots for SFP modules 100Base-FX, managed</li> </ul>
Cable types acc. to IEEE 802.3	<ul> <li>Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5</li> </ul>
Data rate	<ul> <li>10/100 Mbit/s (RJ45) / 100 Mbit/s (F.O.)</li> </ul>
Maximum cable length	<ul> <li>100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1)</li> <li>D 145 (Twisted Pair) (CED modules)</li> </ul>
Terminating method Diagnostics (via LED)	<ul> <li>RJ45 (Twisted Pair) / SFP modules</li> <li>Status Link: Green</li> </ul>
	Status Data transfer (Act):     Green flashing
Topology	Data transfer rate (Speed): 100 Mbit/s: Yellow / 10 Mbit/s: OFF Line, Ring, Star or mixed
Basic functions	-
Port settings	• 10/100 Mbit/s
	Full/Half Duplex
	<ul><li>Port enable/disable</li><li>Port mirroring</li></ul>
	Flow Control
	<ul> <li>Industrial Profile (PROFINET, EtherNet/IP, Modbus TCP, customized)</li> <li>NRT Bandwidth Control</li> </ul>
Management functions	STP, RSTP
	IGMP Snooping with support for querier
	Port Based VLANs
	<ul> <li>Alarm via email, SNMP traps</li> <li>PROFINET diagnosis</li> </ul>
	DHCP Option 82
	Plugable Memory Card
Power Supply Nominal input voltage range	12 V 48 V DC
Permissible range	9.6 V 60 V
Current consumption	270 mA (at 24 V DC)
Diagnostics (via LED)	<ul> <li>Power supply in permissible range: Green</li> <li>Undervoltage: Red</li> </ul>
Terminating Power supply	5-pole pluggable screw contact, for redundant power supply
Design features	
Material of housing	Aluminium, anodized
Dimensions (W x H x D) Degree of protection	44 x 130 x 100 mm (without connectors) IP 30
acc. to DIN 60 529	
Mounting	35 mm top-hat rail acc. to EN 60 715
Weight	<ul> <li>Panel mounting, vertical assembly approx. 0.5 kg</li> </ul>
Environmental conditions	
Operating temperature	0 °C +55 °C
Storage temperature Relative humidity	-40 °C +85 °C 30 % 95 % (non-condensing)

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