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Ha-VIS eCon 4035GBT-MXT-SPE



Image is for illustration purposes only. Please refer to product description.

Part number	20 77 635 0000
Specification	Ha-VIS eCon 4035GBT-MXT-SPE
HARTING eCatalogue	https://harting.com/20776350000

Identification

Series	Ha-VIS eCon 4000
Identification	Single Pair Ethernet (SPE)
Element	Industrial Ethernet Switches
Specification	Unmanaged
Type of Ethernet	Gigabit Ethernet

Version

Total number of ports	8
Fixing	Wall mounting
Switching technology	Store and Forward
Frame size	10.24 kB
MAC table size	1k Entries
MAC–address filter	LLDP and PROFINET PTCP Delay (01-80-C0-00-00-0E) blocked
Packet buffer size	1 Megabit
Non blocking	Yes
Quality of service	Yes
Flow control	Off
Signal contact	No
PoE functionality	No
Jumbo frame support	Yes
Conformal coating of PCB	Yes
Pack contents	Assembly instructions

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Termination data

Nominal voltage	24 V DC 48 V DC
Permissible voltage	12 ... 60 V DC
Surge protection	Yes
Operating current	130 mA @ 24 V DC 70 mA @ 48 V DC
Supply circuit	SELV (Circuit Breaker 10 A)
Starting current	<1.45 A @ 24 V DC <2.9 A @ 48 V DC
Overcurrent protection	2 A at input
Power consumption	<3.2 W @ 24 V DC
Termination method	M12 L-coding
Number of contacts	5
Conductor cross-section	0.5 mm²
Conductor cross-section [AWG]	AWG 20
Pinout	+ / - / - / + / FE
Reverse polarity protection	Yes

Technical characteristics

Pollution degree	2
Overvoltage category	III
Operating temperature	-40 ... +70 °C
Storage temperature	-40 ... +85 °C
Relative humidity	0 ... 95 % Non-condensing (operation) 0 ... 95 % Non-condensing (storage/transport)
Air pressure	≥795 hPa ≈ 2000 m
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
MTBF	≈680,845 h

Ethernet ports copper

10/100/1000 Mbit/s (M12-ports X-coding)	1
Transmission standard	10BASE-T 100BASE-TX 1000BASE-T
Auto-negotiation	Yes
Auto-polarity	Yes

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Ethernet ports copper

Auto-MDI(X)	Yes
Transmission physics	Twisted Pair Cat. 5
Data rate	10 Mbit/s 100 Mbit/s 1,000 Mbit/s
Transmission length	100 m

Ethernet ports SPE

100 Mbit/s (SPE-Ports)	5
1000 Mbit/s (SPE-Ports)	1
100/1000 Mbit/s (SPE-Ports)	1
Transmission standard	100BASE-T1 1000BASE-T1 100BASE-T1 1000BASE-T1
Transmission physics	Twisted Pair 2 wires Twisted Pair Cat. 5 Twisted Pair Cat. 5
Data rate	100 Mbit/s 1,000 Mbit/s 100 Mbit/s 1,000 Mbit/s
Auto-negotiation	Yes
Transmission length	40 m 40 m 40 m
Configuration Master-Slave	Automatic Automatic Automatic

Material properties

Material (hood/housing)	Aluminium
Length	191 mm
Width	60 mm
Height	42 mm
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained

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Material properties

REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Specifications and approvals

Specifications	EN 50155 Railway applications EN 50121-3-2 Railway applications EMC EN 61000-6-2 EMC Interference immunity EN 55035 EMC Interference immunity EN 61000-4-2 Electrostatic discharge (ESD) EN 61000-4-3 Electromagnetic field EN 61000-4-4 Rapid transients (burst) EN 61000-4-5 Surge voltages EN 61000-4-6 conducted disturbances EN 61000-6-4 emission standard EN 55032 emission standard IEC 60721-3 Mechanical stability IEC 60068-2-6 Vibration (sinusoidal) IEC 60068-2-27 Shock IEEE 802.3
Approvals	CE on request
PROFINET	Yes
FCC	Yes

Commercial data

Packaging size	1
Net weight	430 g
Country of origin	Germany
European customs tariff number	85176200
GTIN	5713140456976
eCl@ss	19170130 Network switch (general application)
ETIM	EC000734
UNSPSC 24.0	43222612

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