



Pushing Performance
Since 1945

Ha-VIS eCon 4017GBT-MXT-SPE



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

Part number	20 77 617 0000
Specification	Ha-VIS eCon 4017GBT-MXT-SPE
HARTING eCatalogue	https://harting.com/20776170000

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



Pushing Performance
Since 1945

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 mm ²
Conductor cross-section [AWG]	AWG 20
Pinout	+ / - / - / + / FE
Reverse polarity protection	Yes

Technical characteristics

Pollution degree	3
Overvoltage category	II
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



Pushing Performance
Since 1945

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)	7
Transmission standard	100BASE-T1
Transmission physics	Twisted Pair 2 wires
Data rate	100 Mbit/s
Transmission length	40 m
Configuration Master-Slave	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
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained



Pushing Performance
Since 1945

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	5713140456969
eCl@ss	19170130 Network switch (general application)
ETIM	EC000734
UNSPSC 24.0	43222612