



Pushing Performance
Since 1945

Ha-VIS eCon 4080GBT-BXT



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

Part number	20 77 408 0000
Specification	Ha-VIS eCon 4080GBT-BXT
HARTING eCatalogue	https://b2b.harting.com/20774080000

Identification

Series	Ha-VIS eCon 4000
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	9.216 kB
MAC table size	4k Entries
Packet buffer size	1.5 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	1.3 A @ 24 V DC
	2.9 A @ 48 V DC
Overcurrent protection	2 A At input
Power consumption	≤3.3 W @ 24 V DC
Termination method	M12 A-coding
Number of contacts	4
Conductor cross-section	0.5 mm ²
Conductor cross-section	AWG 20
Pinout	+ / - / - / +
Reverse polarity protection	Yes

Technical characteristics

Pollution degree	2
Overvoltage category	III (protection by low voltage)
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

Ethernet ports copper

10/100/1000 Mbit/s (M12-ports X-coding)	8
Transmission standard	10BASE-T
	100BASE-TX
	1000BASE-T
Auto-negotiation	Yes
Auto-polarity	Yes
Auto-MDI(X)	Yes



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Ethernet ports copper

Transmission physics	Twisted Pair Cat. 5
Data rate	10 Mbit/s
	100 Mbit/s
	1,000 Mbit/s
Transmission length	100 m

Material properties

Material (hood/housing)	Aluminium
Length	191 mm
Width	60 mm
Height	42 mm

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
UL / CSA	UL in preparation
Approvals	CE
	E1 in preparation
FCC	Yes

Commercial data

Packaging size	1
Net weight	430 g
Country of origin	Germany
European customs tariff number	85176200
GTIN	5713140195356
ETIM	EC000734



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Commercial data

eCl@ss	19170130 Network switch (general application)
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