

## Ha-VIS eCon 4080GBT-BXT



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

### 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

## 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 <sup>2</sup>
Conductor cross-section [AWG]	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

## 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
eCl@ss	19170130 Network switch (general application)

## Commercial data

ETIM	EC000734
UNSPSC 24.0	43222612