

## Ha-VIS eCon 2160B-A



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

Part number	24 02 016 0010
Specification	Ha-VIS eCon 2160B-A
HARTING eCatalogue	<a href="https://b2b.harting.com/24020160010">https://b2b.harting.com/24020160010</a>

### Identification

Series	Ha-VIS eCon 2000
Element	Industrial Ethernet Switches
Specification	Unmanaged
Type of Ethernet	Fast Ethernet

### Version

Total number of ports	16
Fixing	35 mm DIN rail acc. to EN 60715
Switching technology	Store and Forward
Frame size	2 kB
MAC table size	8k Entries
Packet buffer size	2 Megabit
Non blocking	Yes
Quality of service	Yes
Energie Efficient Ethernet	Yes
Flow control	Off
Signal contact	No
Pack contents	Pluggable screw contact for power supply Assembly instructions

### Termination data

Nominal voltage	24 V DC 48 V DC
Permissible voltage	9 ... 60 V DC



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## Termination data

Surge protection	Yes
Operating current	<93 mA @ 24 V DC <49 mA @ 48 V DC
Supply circuit	SELV (Circuit Breaker 10 A)
Starting current	<1.6 A @ 24 V DC <2.8 A @ 48 V DC
Overcurrent protection	2 A At input
Power consumption	<2.23 W @ 24 V DC
Termination method	Pluggable screw contact
Number of contacts	3
Conductor cross-section	0.08 ... 2.5 mm <sup>2</sup>
Conductor cross-section	AWG 28 ... AWG 12
Pinout	+ / - / FE
Reverse polarity proof	Yes

## Technical characteristics

Operating temperature	0 ... +55 °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	IP30 mated condition
MTBF	1,750,000 h

## Ethernet ports copper

10/100 Mbit/s (RJ45-Ports)	16
Fast-Ethernet Ports 10/100 Mbit/s (RJ45-Ports) Transmission standards: 10BASE-T, 100BASE-TX Transmission physics: Twisted Pair Cat. 5 Transmission length: 100 m Data rate: 10/100 Mbit/s Auto-negotiation: yes Auto-polarity: yes Auto-MDI(X): yes	16
Transmission standard	10BASE-Te 100BASE-TX EEE
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
Transmission length	100 m

## Material properties

Material (hood/housing)	Aluminium (anodised)
Length	27.3 mm
Width	120 mm
Height	113.5 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	Yes

## Specifications and approvals

Specifications	EN 55022 Radio disturbance characteristics
	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
	IEC 60068-2-6 Vibration (sinusoidal)
Approvals	DNV GL
UL / CSA	UL 508 NRAQ.E253944
	CSA-C22.2 No. 142 NRAQ7.E253944
PROFINET	Yes
EtherNet/IP	Yes
CE	Yes
FCC	Yes



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## Commercial data

Packaging size	1
Net weight	495.2 g
Country of origin	Germany
European customs tariff number	85176200
GTIN	5713140147423
eCl@ss	19170130 Network switch (general application)