Pushing Performance
Since 1945

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	https://b2b.harting.com/24020160010

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
PoE functionality	No
Pack contents	Pluggable screw contact for power supply Assembly instructions

Termination data

Nominal voltage	24 V DC 48 V DC

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Termination data

Permissible voltage	9 ... 60 V DC
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 mm²
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
Transmission standard	10BASE-Te 100BASE-TX EEE
Auto-negotiation	Yes
Auto-polarity	Yes
Auto-MDI(X)	Yes
Transmission physics	Twisted Pair Cat. 5
Data rate	10 Mbit/s 100 Mbit/s

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Ethernet ports copper

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)
UL / CSA	UL 508 NRAQ.E253944 CSA-C22.2 No. 142 NRAQ7.E253944
CE	Yes
Approvals	DNV GL
FCC	Yes

Commercial data

Packaging size	1
Net weight	20 g
Country of origin	Germany
European customs tariff number	85176200
GTIN	5713140147423
ETIM	EC000734

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Commercial data

eCl@ss	19170130 Network switch (general application)

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