Pushing Performance
Since 1945

Ha-VIS eCon 3160BT-A2



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

Part number	24 03 016 0002
Specification	Ha-VIS eCon 3160BT-A2
HARTING eCatalogue	https://harting.com/24030160002

Identification

Series	Ha-VIS eCon 3000
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
Jumbo frame support	Yes
Field of application	Indoor usage
Pack contents	Pluggable screw contact for power supply Assembly instructions

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Termination data

Nominal voltage	24 V DC 48 V DC
Permissible voltage	9 ... 60 V DC
Surge protection	Yes
Operating current	<72 mA @ 24 V DC <38 mA @ 48 V DC
Supply circuit	SELV (Circuit Breaker 10 A)
Starting current	<1.3 A @ 24 V DC <2.7 A @ 48 V DC
Overcurrent protection	2 A at input
Power consumption	<1.73 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)	AWG 28 ... AWG 12
Pinout	+ / - / FE
Reverse polarity protection	Yes

Technical characteristics

Overvoltage category	II
Operating temperature	-40 ... +70 °C
Storage temperature	-40 ... +85 °C
Relative humidity	0.1 ... 95 % Non-condensing (operation) 0.1 ... 95 % Non-condensing (storage/transport)
Air pressure	≥795 hPa ≈ 2000 m
Degree of protection acc. to IEC 60529	IP30 mated condition
MTBF	≈1,135,800 h

Ethernet ports copper

10/100 Mbit/s (RJ45-Ports)	16 x
Transmission standard	10BASE-T 100BASE-TX
Auto-negotiation	Yes
Auto-polarity	Yes
Auto-MDI(X)	Yes
Transmission physics	Twisted Pair Cat. 5

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Ethernet ports copper

Data rate	10 Mbit/s 100 Mbit/s
Transmission length	100 m

Material properties

Material (hood/housing)	Aluminium (anodised) Steel sheet (powder-coated)
Length	107.5 mm
Width	38 mm
Height	142 mm
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	bbcc04b5-5176-4454-afbc-a635daae5e7b
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead

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 61010 NRAQ.E253944 CSA-C22.2 No. 61010 NRAQ7.E253944
Approvals	CE
FCC	Yes

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Commercial data

Packaging size	1
Country of origin	Germany
European customs tariff number	85176200
eCl@ss	19170130 Network switch (general application)
ETIM	EC000734
UNSPSC 24.0	43222612

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