

Ha-VIS eCon 3160GX-A-A



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

Part number	24 13 416 0000
Specification	Ha-VIS eCon 3160GX-A-A
HARTING eCatalogue	https://b2b.harting.com/24134160000

Identification

Series	Ha-VIS eCon 3000
Identification	Advanced
Element	Industrial Ethernet Switches
Specification	Unmanaged
Type of Ethernet	Full Gigabit Ethernet

Version

Total number of ports	16
Fixing	35 mm DIN rail acc. to EN 60715
Switching technology	Store and Forward
Frame size	10 kB
MAC table size	8k Entries
Packet buffer size	4 Megabit
Non blocking	Yes
Quality of service	Yes
Flow control	Off
Signal contact	No
Field of application	Indoor usage
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	<400 mA @ 24 V DC <200 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	<9.17 W @ 24 V DC
Termination method	Pluggable screw contact Temperature resistance of the cable used $\geq 90^\circ\text{C}$
Number of contacts	3
Conductor cross-section	0.08 ... 2.5 mm ²
Conductor cross-section	AWG 28 ... AWG 12
Pinout	+ / - / FE
Reverse polarity proof	Yes

Technical characteristics

Pollution degree	2
Overvoltage category	II
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	IP30 mated condition
MTBF	$\approx 1,000,000$ h

Ethernet ports copper

10/100/1000 Mbit/s (RJ45-Ports)	16
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Ethernet ports copper

Gigabit-Ethernet Ports 10/100/1000 Mbit/s
 (RJ45-Ports)
 Transmission standard: 10BASE-T, 100BASE-TX, 1000BASE-T
 Transmission physics: Twisted Pair Cat. 5 16
 Transmission length: 100 m
 Data rate: 10/100/1000 Mbit/s
 Auto-negotiation: yes
 Auto-polarity: yes
 Auto-MDI(X): yes

Transmission standard	10BASE-Te 100BASE-TX EEE 1000BASE-T 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 1,000 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
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
California Proposition 65 substances	Nickel



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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 61010 NRAQ.E253944
	CSA-C22.2 No. 61010 NRAQ7.E253944
PROFINET	Yes
EtherNet/IP	Yes
CE	Yes

Commercial data

Packaging size	1
Net weight	592 g
Country of origin	Germany
European customs tariff number	85176200
GTIN	5713140195240
eCl@ss	19170130 Network switch (general application)