Pushing Performance
Since 1945

# 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 |
| MAC–address filter | LLDP and PROFINET PTCP Delay (01-80-C0-00-00-0E) blocked |
| Packet buffer size | 4 Megabit |
| Non blocking | Yes |
| Quality of service | Yes |
| Flow control | Off |
| Signal contact | No |
| PoE functionality | No |
| Jumbo frame support | Yes |
| Field of application | Indoor usage |


HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany
Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

## Version

| | |
|---|---|
| Pack contents | Pluggable screw contact for power supply<br>Assembly instructions |

## Termination data

| | |
|---|---|
| Nominal voltage | 24 V DC<br>48 V DC |
| Permissible voltage | 9 ... 60 V DC |
| Surge protection | Yes |
| Operating current | <400 mA @ 24 V DC<br><200 mA @ 48 V DC |
| Supply circuit | SELV (Circuit Breaker 10 A) |
| Starting current | <1.6 A @ 24 V DC<br><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 |
| Number of contacts | 3 |
| Conductor cross-section | 0.08 ... 2.5 mm² |
| Conductor cross-section | AWG 28 ... AWG 12 |
| Pinout | + / - / FE |
| Reverse polarity protection | 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)<br>0 ... 95 % Non-condensing (storage/transport) |
| Air pressure | ≥795 hPa ≈ 2000 m |
| Degree of protection acc. to IEC 60529 | IP30 mated condition |
| MTBF | ≈1,355,600 h |

## Ethernet ports copper

| | |
|---|---|
| 10/100/1000 Mbit/s (RJ45-Ports) | 16 |


HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany
Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

## Ethernet ports copper

| | |
|---|---|
| Transmission standard | 10BASE-T<br>100BASE-TX<br>1000BASE-T |
| Auto-negotiation | Yes |
| Auto-polarity | Yes |
| Auto-MDI(X) | Yes |
| Transmission physics | Twisted Pair Cat. 5 |
| Data rate | 10 Mbit/s<br>100 Mbit/s<br>1,000 Mbit/s |
| Transmission length | 100 m |

## Material properties

| | |
|---|---|
| Material (hood/housing) | Aluminium (anodised)<br>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 |

## Specifications and approvals

| | |
|---|---|
| Specifications | EN 55022 Radio disturbance characteristics<br>EN 61000-4-2 Electrostatic discharge (ESD)<br>EN 61000-4-3 Electromagnetic field<br>EN 61000-4-4 Rapid transients (burst)<br>EN 61000-4-5 Surge voltages<br>EN 61000-4-6 conducted disturbances<br>EN 61000-6-4 emission standard<br>IEC 60068-2-6 Vibration (sinusoidal) |
| UL / CSA | UL 61010 NRAQ.E253944<br>CSA-C22.2 No. 61010 NRAQ7.E253944 |


HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany
Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

## Specifications and approvals

| | |
|---|---|
| Approvals | CE<br>DNV GL |
| PROFINET | Yes |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 592 g |
| Country of origin | Germany |
| European customs tariff number | 85176200 |
| GTIN | 5713140195240 |
| ETIM | EC000734 |
| eCl@ss | 19170130 Network switch (general application) |


HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany
Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com