

Ha-VIS eCon 2160GB-A



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

| | |
|--------------------|---|
| Part number | 24 02 416 0010 |
| Specification | Ha-VIS eCon 2160GB-A |
| HARTING eCatalogue | https://b2b.harting.com/24024160010 |

Identification

| | |
|------------------|------------------------------|
| Series | Ha-VIS eCon 2000 |
| 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 | 8 kB |
| MAC table size | 8k Entries |
| Packet buffer size | 0.5 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 | <382 mA @ 24 V DC <191 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 |
| 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

| | |
|--|--|
| 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 | ≈1,360,000 h |

Ethernet ports copper

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



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Ethernet ports copper

| | |
|----------------------|---------------------|
| 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) |
| 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 |
| PROFINET | Yes |
| EtherNet/IP | Yes |
| CE | Yes |
| FCC | Yes |



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Commercial data

| | |
|--------------------------------|---|
| Packaging size | 1 |
| Net weight | 546.5 g |
| Country of origin | Germany |
| European customs tariff number | 85176200 |
| GTIN | 5713140194922 |
| eCl@ss | 19170130 Network switch (general application) |