Ethernet Switch Ha-VIS eCon 4080-B2

Ha-VIS eCon 4080-B2



Advantages

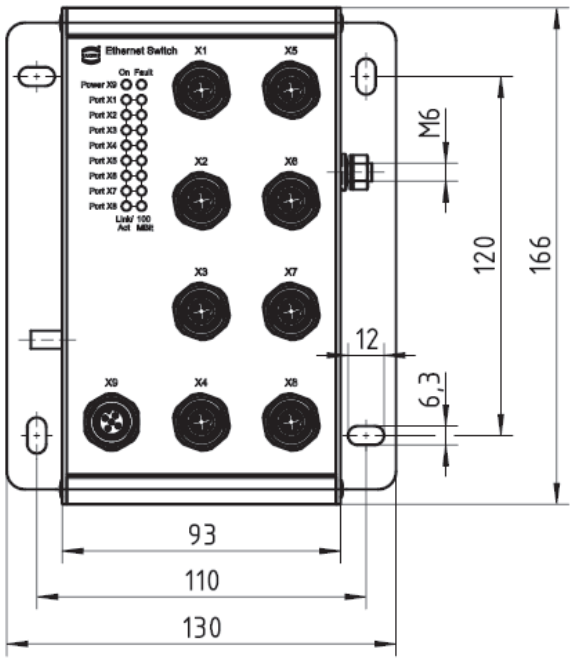
- Robust metal housing and flat housing style
- EMC, temperature range and mechanical stability meet the highest demands
- Wide range for power supply input
- Wide range for type test according to EN 50 155 and EN 50 121-3-2
- E-Mark for use on busses and vehicles

Technical Characteristics

The Fast Ethernet Switches of the product family HARTING eCon 4000 are recommended for use in the widest range of industrial and railway applications and support both Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s). The product family enables the connection of up to 8 network devices over shielded Twisted Pair cables.

The robust M12 interface shows its adantages especially in applications at risk of vibrations.

Identification	Part number	Drawing	Dimensions in mm
Ha-VIS eCon 4080-B2 Ethernet Switch; unmanaged 8 ports; M12 D-coding	20 77 208 3002		



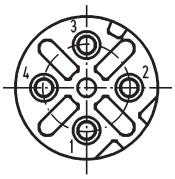
All data given is in line with the actual state of art and therefore not binding.
HARTING reserves the right to modify designs without giving the relevant reasons.

Technical Characteristics

Ethernet interface

Number of ports	8x 10/100Base-T(X)
Cable types according to IEEE 802.3	Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5
Data rate	10 Mbit/s or 100 Mbit/s
Maximum cable length	100 m (Twisted Pair; with Category 5 cable acc. to DIN EN 50 173-1)
Termination	M12, D-coding
Diagnostics (via LED)	• Status Link – Green • Data transfer (Act) – Green flashing • Data transfer rate (Speed) – 100 Mbit/s: Yellow / 10 Mbit/s: OFF
Topology	Line, Star or mixed

Contact assignment M12 D-coding:



Pin 1:	TD+	Pin 3:	TD-
Pin 2:	RD+	Pin 4:	RD-

Power supply

Input voltage	24 / 48 V DC
Permissible range (min/max)	12 to 60 V DC
Input current	approx. 150 mA (at 24 V DC)
Termination	M12, A-coding, male, for redundant power supply
Diagnostics (via LED)	Power supply

Contact assignment M12 A-coding:



	+24 / 48 V DC	0 V DC
US1	contact 1	contact 2
US2	contact 4	contact 3

US1 ... first operating voltage

US2 ... second operating voltage

Ethernet Switch Ha-VIS eCon 4080-B2

Technical Characteristics

Design features

Housing material	Metal (powder coated)
Dimensions (W x H x D)	130 x 166 x 50 mm
Degree of protection acc. to DIN 60 529	IP 40
Mounting	Wall mounting, flat (4x M6 screws)
Weight	approx. 0.85 kg

Environmental conditions

Operating temperature	–40 °C to +70 °C
Storage temperature	–40 °C to +85 °C
Relative humidity	10 % to 95 % (non-condensing)

Mechanical solidness

Shock	IEC 60 068-2-27
Vibration	IEC 60 068-2-6
Rail-standard	EN 50 155

Approvals

CE	
E-Mark	E1 / R10 (for use on busses and vehicles)

EMC standards

Interference immunity ESD	IEC 61 000-4-2
Interference immunity, HF radiated	IEC 61 000-4-3
Interference immunity, Burst	IEC 61 000-4-4
Interference immunity	IEC 61 000-4-6
Emitted radiation	EN 55 022 Class A; EN 61 000-6-4
Rail-standard	EN 50 155; EN 50 121-3-2