

Features

Features

- Auto-crossing
- Auto-negotiation
- Auto-polarity
- Store and Forward switching mode
- Fast and Full Gigabit Ethernet Non-Blocking
- Unterstützung von Jumbo-Frames (10 KBytes)
- Energy Efficient Ethernet gemäß IEEE 802.3az

Ethernet Interface

- | | |
|--------------------------------|--|
| Number of ports | • 4 |
| Cable types acc. to IEEE 802.3 | • Shielded Twisted Pair (STP) or Unshielded Twisted Pair (UTP), Category 5 |
| Data rate | • 10/100/1000 Mbit/s |
| Maximum cable length | • 100 m (Twisted Pair; with cable Category 5 acc. to EN 50 173-1) |
| Terminating method | • RJ45 (Twisted Pair) |
| Diagnostics (via LED) | • Status Link - green
• Status Data transfer (Act) - green flashing
• Data transfer rate (Speed only in the front position) - 100 Mbit/s: yellow / 10 Mbit/s: OFF / 1000 Mbit/s: green |
| Topology | • Line, Star or mixed |

Power Supply

- | | |
|--------------------------|---|
| Power supply | 24 V DC (non-polar) |
| Permissible Power range | 12.0 V ... 30.0 V |
| Current consumption | 110 mA (at 24 V DC) |
| Diagnostics (via LED) | Power supply |
| Terminating Power supply | 3-pole pluggable contact (24 V; 0 V; FE functional earth) |

Design features

- | | |
|---|--|
| Material of housing | Polycarbonate |
| Dimensions (W x H x D) | 34.4 x 29.4 x 86.9 mm (without connectors) |
| Degree of protection acc. to DIN 60 529 | IP30 |
| Colour | RAL 7032 (pebble grey) |

Environmental conditions

- | | |
|-----------------------|--------------------------------|
| Operating temperature | 0 °C ... +60 °C |
| Storage temperature | -40 °C ... +85 °C |
| Relative humidity | 30 % ... 95 % (non-condensing) |

Approvals / Conformity



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Han® Data Sheet 1043



Features

- 4-port Ethernet Switch
- Double modules in Han-Modular® connector style
- Power- und Networkdiagnostic
- Supported standards: IEEE 802.3
- Transmission: 10/100/1000 MBit/s
- Energy Efficient Ethernet
- EtherNet/IP and PROFINET suitable

General description

The Ethernet Switch US4 is suitable for industrial applications and supports Ethernet (10 Mbit/s), Fast Ethernet (100 Mbit/s) and Gigabit Ethernet (1000 Gbit/s).

The Switch supports via RJ45 ports 4 Ethernet devices. It is plug & play capable, a configuration is therefore not necessary.

Integrated LEDs provide a quick and easy power and network diagnostics.

Identification

Han-Modular® Switch US4

Part number

09 80 113 0400

Drawing

Dimensions in mm

