Industrial Ethernet Switch
Q.NET-5TX with 5 Ports

Build economical, industrial Ethernet networks with both linear and star structures

This compact, unmanaged switch operates according to the plug-and-work principle

The mounted switch is equal in height to PCD3 systems, which saves space when it is snapped onto the DIN rail. The PCD controller is connected with the patch cable provided. Due to its robust construction, this switch is suitable for use in rugged industrial environments and in infrastructure automation.

Product characteristics

- Entry level industrial Ethernet rail switch, with store-and-forward switching mode
- Allows construction of switched Ethernet networks according to IEEE 802.3 with copper technology
- The device has five 10/100 Mbit/s twisted pair ports (RJ45 connections)
- Up to five end devices or additional TP segments can be connected to the TP ports via twisted pairs
- Extremely light, compact construction with IP 30 protection system
- Simple commissioning with ‘plug-and-work’ via auto-negotiation, auto-polarity and auto-crossing
- Fast network diagnosis, due to integral LEDs at TP ports
- DIN rail mounting and 24 VDC supply for trouble-free use in infrastructure automation, and in rugged industrial environments
Technical data  Q.NET-5TX

**Operation**

- **Port type and number**: Ethernet 10/100 MBit/s, 5 × RJ45 Auto-negotiation, Auto-polarity, Auto-crossing
- **Network line lengths**: Twisted pair (TP), 0…100 m
- **Network cascade depth**: Linear/star structure – as required
- **Operating voltage**: 9.6 VDC…32 VDC
- **Current consumption at 24 VDC**: max. 100 mA
- **Indicators/diagnostics**: 1 × green LED; P – power, 5 × yellow LEDs; 10/100 – data rate, 5 × green LEDs; DA/STAT – data, link status:

**Ambient conditions**

- **Operating temperature**: 0 ºC…+60 ºC
- **Storage temperature**: –40 ºC…+70 ºC
- **Air humidity**: up to 95% (non-condensing)

**Standards/approvals**

- **EMC noise immunity**: EN 61 000-4
- **EMC noise emission**: EN 55 022 class A, FCC CFR47 part 15 class A
- **Security for industrial control equipment**: cUL 508, CSA 22.2 no.142, E175531
- **Mechanical stability**: IEC 60 068-2 (shock, vibration)

**Mechanical**

- **Dimensions W × H × D**: 25 mm × 114 mm × 79 mm
- **Mounting**: on 35 mm DIN rail
- **Weight**: 113 g
- **Protection system**: IP30

**Ordering information**

Q.NET-5TX Rail Switch Q.NET-5TX, terminal block, patch cable and operating instructions

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