

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

Controls Division

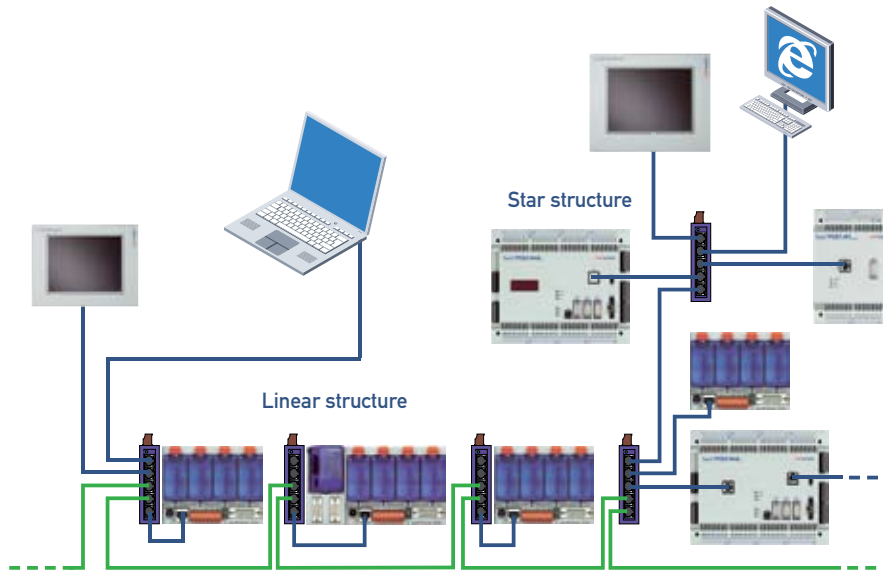
Build economical, industrial Ethernet networks with both linear and star structures

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 pair
- Extremely light, compact construction with IP30 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

Ethernet networks in industry and infrastructure automation



Technical data Q.NET-5TX

Operation

Port type and number	Ethernet 10/100 MBit/s, 5 × RJ45
Plug-and-work	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...32,0 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 °C to + 60 °C
Storage temperature	- 40 °C to + 70 °C
Air humidity	up to 95% (non-condensing)

Standards/approvals

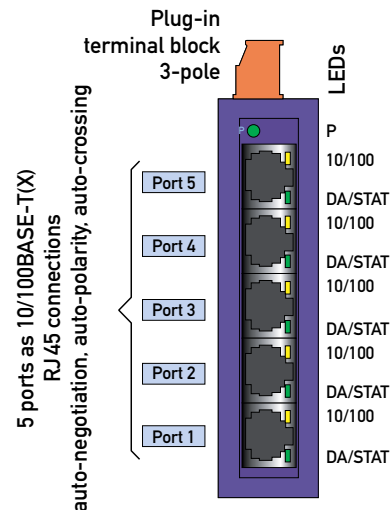
EMC noise immunity	EN 61 000-4
EMC noise emission	EN 55 022 class A, FCC CFR47 part 15 class A
Security for industrial control equipment	cUL 508 CSA 22.2 no.142 E175531
Mechanical stability	IEC 60068-2 (shock, vibration)

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	Delivery includes: Rail Switch Q.NET-5TX, terminal block, patch cable and operating instructions
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Application example

Addresses

Switzerland and international

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