

PROFINET Switch PROmesh P10X

Function

The Indu-Sol **PROFINET Switch PROmesh P10X** is the first full PROFINET switch which offers permanent line monitoring of the connected cables. This offers completely new possibilities for operation and maintenance in highly dynamic processes. Thanks to Conformance Class B certification the switch can be integrated into the automation system with an engineering tool (Step7, TIA Portal), enabling comprehensive network diagnostics.

Due to optimized shield contacts in the M12 sockets and leakage current monitoring, the PROmesh series not only meets the requirements of PROFINET functionality, but also fulfills the highest demands on EMC resistance in industrial IP67 environments. It can therefore also be used in areas with high electromagnetic pollution.

The extensive diagnostic options are complemented by an evaluation of the port statistics on the web interface. This provides crucial network information such as network load, discards, errors and the correct port allocation.

In addition, the PROmesh P10 opens up a future-proof investment opportunity thanks to the latest technologies such as TSN and PROFINET 2.4.

Technical data

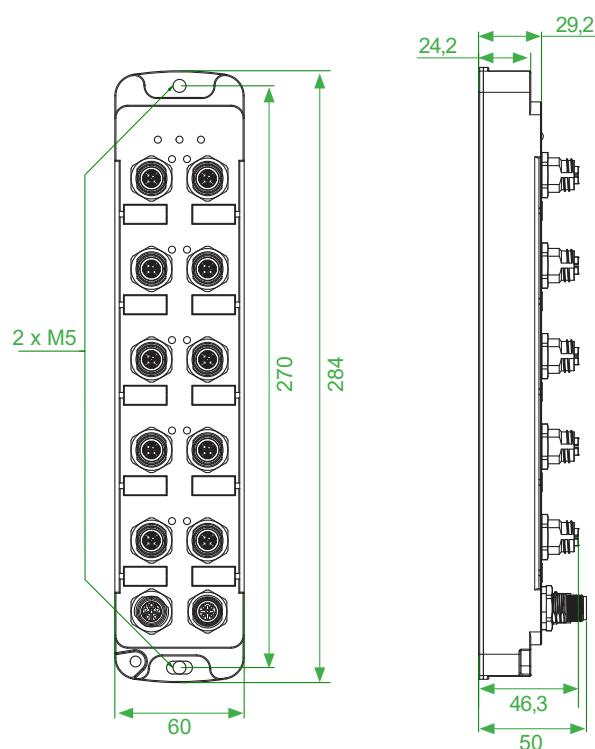
- Power supply: 12V - 48V (M12 I-coded)
- Max. power consumption: DC 12V / 1,66A
- Max. power loss: 20 W
- Dimensions (H x W x D): 284 x 60 x 28 mm
- Weight: 800 g
- Casing: metal
- Storage temperature: -40°C to +85°C
- Operating temperature: -40°C to +75°C
- Protection class: IP67
- Mounting: Wall mounting (M5 drilling)
Functional earth (M4 screw connection)

Scope of functions

- Network ports: 8 x 10/100 MBit/s M12 d-coded
2 x 10/100/1000 MBit/s M12 x-coded
- Technology: Cut-Through
- Leakage current monitoring: Sampling rate 25KHz,
Measuring range 0 - 10A
- Online cable diagnosis
- Integrated cable tester
- Port statistics: Errors, discards, netoad
- Display of netload: 1 millisecond
- Supported protocols/services: HTTP, HTTPS, SNMPv1, SNMPv2, SNMPv3,
DHCP Client, DNS, TFTP, SMTP Client,
SNTP Client, LLDP, IGMP, MRP Master/Client,
RSTP, Syslog
- Port mirroring: TX Pakete or TX and RX Pakete
- Alert: PN-RTA, SNMP, Email, Relay
- Bandwidth control



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Dimensions (mm)

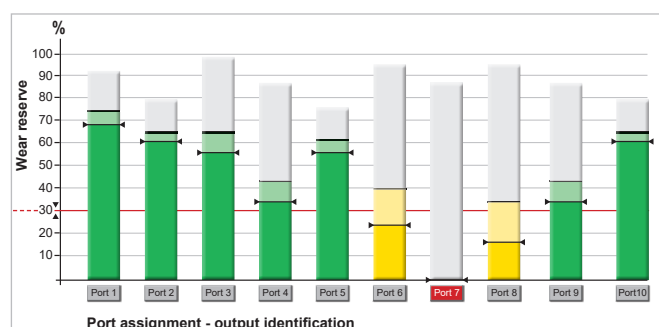


Diagram for online line diagnosis

Bestellangaben

Art.-Nr.

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