



PROFINET-Switch

8-port, managed

- PROFINET Conformance Class B
- Integration into the automation network with GSDML file
- Quick, simple configuration and diagnosis via PROFINET and web interface
- LLPD, DCP, SNMP, diagnosis alarms
- Media redundancy: MRP client
- Port mirroring
- Network statistics (frames and errors)
- Managed switch with 8 x 100 Mbps RJ45 ports

One of the most important functions of a PROFINET-Switch is the prioritizing of the PROFINET frame traffic in the machine network. The managed switch can differentiate whether the frame is a web query, an FTP file transmission, a media stream, or a PROFINET frame. In the case of a high transmission load, the important frames can thus be prioritized in order to prevent frame losses. With a GSDML file you can integrate the switch into your automation environment in the usual way. The supported PROFINET protocols, such as LLPD, DCP, or even diagnosis alarms, can be easily configured and administered.

Technical advantages when using a PROFINET-Switch

Prioritizing of PROFINET frames

Assignment of a configuration via the device name

Neighborhood detection

Device exchange without programming device

Ring redundancy

Each port can be activated or deactivated

Diagnostic messages for network problems

Identification and maintenance data

With this variant of the managed PROFINET-Switch, you can connect up to 8 network participants while saving time and money. If you would like to use only one part, we recommend our 4-port managed PROFINET-Switch.

Technical specifications

| General information | |
|---------------------|---|
| Order number | 700-850-8PS01 |
| Article name | PROFINET Switch 8-port, managed |
| Scope of delivery | PROFINET Switch 8-port, Quick Start Guide, CD with GSDML-File |
| Dimensions (DxWxH) | 32,5 x 83,5 x 76,5 mm |
| Weight | Approx. 180 g |
| PROFINET interface | |
| Number | 8 |
| Protocol | PROFINET IO Device as defined in IEC 61158-6-10 |
| Physical layer | Ethernet |

| | |
|-----------------------------------|---|
| Transmission rate | max. 100 Mbps |
| Connection | RJ45 socket |
| Features | Media Redundancy Protocol (MRP), automatic addressing / topology detection (LLDP, DCP), conformance class B |
| Status indicator | 4 LEDs, function status 16 LEDs, Ethernet status |
| Voltage supply | 24 V DC (18...30 V DC) |
| Current draw | Max. 350 mA with 24 V DC |
| Power dissipation | Max. 2 W |
| Ambient conditions | |
| Ambient temperature | -40 °C ... +75 °C |
| Transport and storage temperature | -40 °C ... +85 °C |
| Relative air humidity | 95 % r H without condensation |
| Pollution degree | 2 |
| Protection rating | IP20 |
| Certifications | CE, UL |
| CE | |
| RoHS | Yes |
| REACH | Yes |
| UL | |
| UL | UL 61010-1/ UL 61010-2-201 |
| Voltage supply | DC 24 V (18 ... 30 V DC, SELV and limited energy circuit) |
| Pollution degree | 2 |
| Altitude | Up to 2,000 m |
| Temperature cable rating | 87 °C |