



Features

- ✓ 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 16 x 100 Mbps RJ45 ports

PROFINET-Switch 16 Port, managed

The managed PROFINET-Switch supports PROFINET according to Conformance Class B and offers transmission security through ring redundancy as an MRP client.

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 16 network participants while saving time and money. If you would like to use only one part, we recommend our 4/8-port managed PROFINET-Switches.

General information

Order number	700-850-16P01
Article name	PROFINET Switch 16-port, managed
Scope of delivery	PROFINET Switch 16-port, Quick Start Guide, CD with GSDML-File
Dimensions (DxWxH)	32,5 x 147 x 76,5 mm

Weight	Approx. 310 g
Status indicator	4 LEDs, function status
	32 LEDs, Ethernet status
Voltage supply	24 V DC (18...30 V DC)
Current draw	Max. 290 mA with 24 V DC
Power dissipation	Max. 5.5 W

PROFINET interface

Number	16
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

Ambient conditions

Ambient temperature	0 °C ... +60 °C
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Transport and storage

temperature	-40 °C ... +85 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Approvals	CE, UL, PROFINET Conformance Class B

UL

UL	UL 61010-1/ UL 61010-2-201
Pollution degree	2
Voltage supply	DC 24 V (18 ... 30 VDC, SELV and limited energy circuit)
Altitude	Up to 2000 m
Temperature cable rating	87 °C