



### 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 4 x 100 Mbps RJ45 ports

## PROFINET-Switch 4 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 4 network participants while saving time and money. If you would like to connect more participants, we recommend our 8-port managed PROFINET-Switch.

### General information

Order number	700-850-4PS01
Article name	PROFINET Switch 4-port, managed
Scope of delivery	PROFINET Switch 4-port, Quick Start Guide, CD with GSDML-File
Dimensions (DxWxH)	32,5 x 58,5 x 76,5 mm

Weight	Approx. 130 g
Status indicator	4 LEDs, function status
	8 LEDs, Ethernet status
Voltage supply	24 V DC (18...30 V DC)
Current draw	Max. 250 mA with 24 V DC
Power dissipation	Max. 2.4 W

**PROFINET interface**

Number	4
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	-40 °C ... +75 °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 V DC, SELV and limited energy circuit)
Altitude	Up to 2,000 m
Temperature cable rating	87 °C