FLEXtra PROFINET-Switch
16-Port, managed, 10/100/1000Mbps

- PROFINET Conformance Class B (100 MBit/s)
- Ethernet with up to 1000 Mbit/s
- Integration into the automation network with GSDML file
- Quick and easy configuration and diagnostics via PROFINET and web interface
- LLDP, DCP, SNMP, diagnostic alarms
- Media redundancy: MRP client
- Port mirroring
- Network statistics (frames, errors)
- Redundant power supply unit
- Practical design
- 16-Port managed Ethernet 10/100/1000 Mbps

With the FLEXtra PROFINET switch, PROFINET components with 100 Mbps as well as Ethernet subscribers with up to 1000 Mbps can be networked. This enables communication from the control level and the machine in one switch. The PROFINET prioritization of the machine level is always guaranteed.

One of the most important functions of a PROFINET switch is the prioritization of PROFINET telegram traffic in the machine network. The managed switch can distinguish whether the telegram is a web request, an FTP file transfer, a media stream or a PROFINET telegram. If the transmission load is high, the important telegrams can thus be prioritized to prevent telegram loss. Using a GSDML file, you can integrate the switch into your automation environment as usual. The supported PROFINET protocols, such as LLDP, DCP or diagnostic alarms, can be easily parameterized and managed.

The practical design with the intelligent arrangement of the Ethernet sockets saves space in the control cabinet. The always clearly visible status LEDs on the top of the FLEXtra PROFInet Switch allow easy diagnostics even with full cabling.

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

Technical specifications

General information	
Order number	700-855-16P01
Article name	FLEXtra PROFINET-Switch 16-Port, managed, 10/100/1000Mbps
Scope of delivery	FLEXtra PROFINET-Switch 16-Port with power supply plug
Dimensions (DxWxH)	78 x 125 x 111 mm
Weight	Approx. 550 g

PROFINET interface	
Number	16
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
Physical layer	Ethernet
Transmission rate	PROFINET: 100 Mbit/s Ethernet: 10/100/1000Mbit/s
Connection	16 x RJ45 socket
integrated switch	Yes
Features	PROFINET Conformance Class BMedia Redundancy (MRP)automatic addressing (DCP)topology detection (LLDP)diagnostic alarms
Status indicator	4 LEDs function status, 16 LEDs Ethernet-Status (two-colored)
Voltage supply	2x DC 24 V, 18 – 30 V DC, redundant
Current draw	max. 400 mA with DC 24 V
Power dissipation	Max. 9,6 W
Mounting position	Any
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
CE	
RoHS	Yes
REACH	Yes