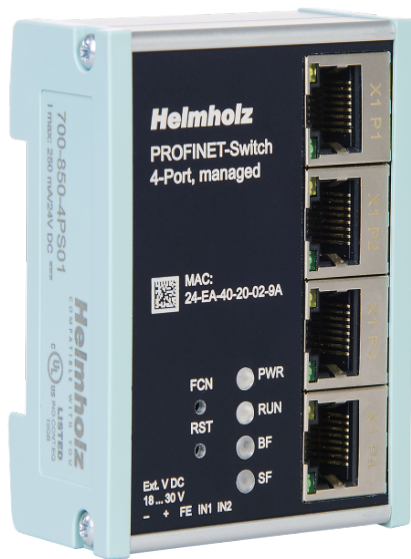




#### Features

- ✓ 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
- ✓ Can be used in PROFI-safe applications

## FLEXtra FLAT PROFINET-Switch, managed 4x RJ45

One of the most important functions of a managed PROFINET switch is the prioritisation of PROFINET telegram traffic in the machine network. You can integrate the switch into your automation environment as usual using a GSDML file.

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       | FLEXtra FLAT PROFINET Switch, managed, 4-port, 100 Mbit |
| Scope of delivery  | PROFINET Switch 4-port with power supply plug           |
| Dimensions (DxWxH) | 32,5 x 58,5 x 76,5 mm                                   |
| Weight             | Approx. 135 g                                           |

## PROFINET interface

|                   |                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------|
| Number            | 4                                                                                                                  |
| Protocol          | PROFINET IO Device as defined in IEC 61158-6-10                                                                    |
| Transmission rate | max. 100 Mbps                                                                                                      |
| Connection        | RJ45 socket                                                                                                        |
| Features          | Media Redundancy Protocol (MRP-Client), automatic addressing / topology detection (LLDP, DCP), conformance class B |

## Status indication

|                   |        |
|-------------------|--------|
| Functional status | 4 LEDs |
| Ethernet status   | 8 LEDs |

## Power supply

|                   |                          |
|-------------------|--------------------------|
| Voltage supply    | 24 V DC (18...30 V DC)   |
| Current draw      | Max. 250 mA with 24 V DC |
| Power dissipation | Max. 2.4 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        |
| 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                                                     |