



Ethernet

PROFINET

IP67
waterproof

INNOVATIVELY NETWORKING AUTOMATION

with the Helmholtz PROFINET and Ethernet switches

www.helmholz.com

Helmholz[®]
COMPATIBLE WITH YOU

ETHERNET SWITCH, 5/8/16-PORT, UNMANAGED, 10/100/1000 MBPS

Thanks to their **very compact design**, the new Helmholtz unmanaged Ethernet switches can be used for a variety of industrial applications. The light and yet robust industrial design is suitable for installation on the DIN rail and can be very easily integrated into the network. Once plugged in, they are immediately ready for operation with the simple plug&play solution. The tool-free push-in connection for the power supply supports installation.

With the Industrial Ethernet switches from Helmholtz, you can **connect up to 16 Ethernet participants without additional configuration**. Secure **maximum speed** for your production and process industry.



Product highlights:

- Simple plug & play solution
- Simple network integration
- Pluggable push-in terminal
- Flat, robust design for DIN rail mounting
- Available in 5/8/16-port, unmanaged



*Ethernet switch
5/8/16-port*

ORDERING DATA

	Ethernet switch, 5-port, unmanaged	Ethernet switch, 8-port, unmanaged	Ethernet switch, 16-port, unmanaged
Variants up to 1000 Mbps (1GB)	700-841-5ES01	700-841-8ES01	700-841-16S01
Variants up to 100 Mbps	700-840-5ES01	700-840-8ES01	700-840-16S01

PROFINET SWITCH, 8-PORT, MANAGED, IP67

Failsafe data communication under rough use conditions – Equipped through IP67 protection, the Ethernet switch has a robust, dust-proof and water-resistant housing and is exceptionally well-suited for rough industrial environments.



Product highlights:

- 8 M12 connectors (d-coded)
- Water-resistant and dust-proof
- Broad temperature range (-40 °C ... +75 °C)
- Store-and-forward architecture
- LLDP & PTCP Delay Traffic blocking (for PROFINET networks)
- Protection class IP67
- Installation without control cabinet possible



*PROFINET switch
8-port, IP67*

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PROFINET switch, 8-port, managed, IP67 *	700-857-8PS01
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* also available as Ethernet variant

PROFINET SWITCH, 4/8/16-PORT, MANAGED

Connect up to **sixteen network participants** to save time and costs with the managed PROFINET switch. It 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 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 PROFINET 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.



Product highlights:

- PROFINET Conformance Class B
- Managed switch with 4/8/16 x 100 Mbps RJ45 ports
- 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)

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PROFINET switch, 4-port, managed	700-850-4PS01
PROFINET switch, 8-port, managed	700-850-8PS01
PROFINET switch, 16-port, managed	700-850-16PS01



*PROFINET switch
5/8/16-port*

FLEXTRA PROFINET SWITCH, 16-PORT, MANAGED, 10/100/1000 MBPS

The new FLEXtra PROFINET switch offers **maximum flexibility** for every application through **freely configurable ports**. Network both PROFINET components with 100 Mbps and Ethernet participants with up to 1000 Mbps.

▷ **One switch** – conceived of for seamless communication between the top level and the machine.



Product highlights:

- PROFINET ports freely configurable
- Failure safety through redundant power supply
- Optimal cable management through stage design
- Simple diagnosis through easily visible LED layout on the top
- Quick commissioning with GSDML file

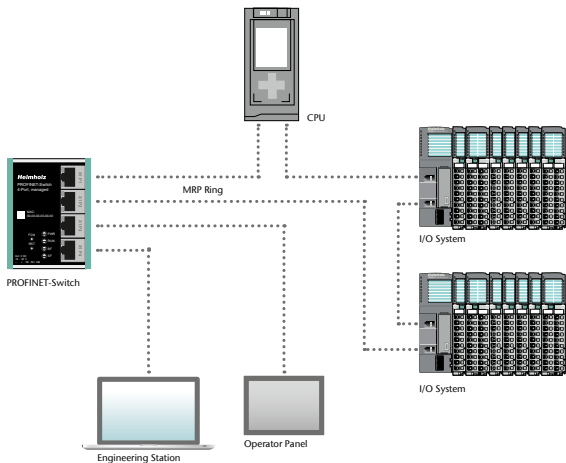
ORDERING DATA

FLEXtra PROFINET switch, 16-port, managed, 10/100/1000 Mbps	700-855-16P01
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*FLEXtra
PROFINET switch
16-port, managed
10/100/1000 Mbps*

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

Also interesting

PROFINET CONNECTOR, RJ45, EASYCONNECT®

The **industrial-grade metal housing** provides the necessary robustness, so that the connection can be used in many industrial areas. To save the user time in wiring, the RJ45 connectors can be assembled in a single work step using the **fast connection technology EasyConnect®**.



Product highlights:

- Color-coded connector contact elements help to prevent connection errors
- Transmission rates up to 100 Mbps
- No loose individual parts
- Tool-free installation
- EasyConnect® RJ45 connection (IDC) for industrial applications
- For PROFINET, Modbus, and EtherCAT
- Available in 180°, 90°, and 145°



[Product info](#)
PROFINET connector

Find your appropriate switch!

Regardless of whether Ethernet, PROFINET, managed, unmanaged or IP67 – secure your customized network solution for permanent access to machines and systems.

PLEASE REQUEST AN INDIVIDUAL QUOTE AT:

Phone +49 9135 7380-0 | E-Mail vertrieb@helmholz.de



SCAN ME!