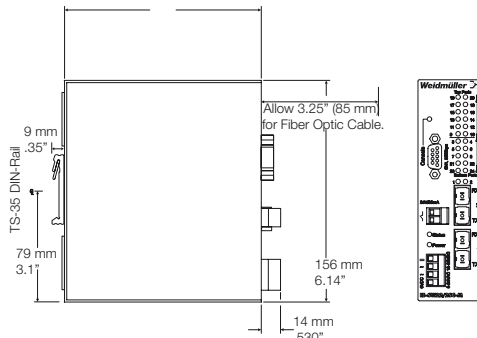


## Switches with management functions

### Managed switch, with 8 to 24 ports

- Robust IP20 aluminum enclosure
- For mounting on TS35 rail or wall
- IEEE 802.3x / 802.3 / 802.4 standard



**PROFI**  
**NET**

**Modbus-IDA**  
The architecture for distributed automation

**EtherNet/IP**



### Managed switch, with 8 to 24 ports

The managed switches in rugged aluminum housing are just 45 mm wide and have between 8 and 24 ports for your industrial network. With their IP 20 class of protection and operating temperature range of -40°C to +75°C, these switches are ideal for industrial applications.

The optional multimode FO ports with SC or ST plugs ensure noise-free transmissions over distances of up to 2 km, or up to 20 km in the single-mode form with SC plugs.

Our managed switches support many features:

- Auto-negotiation
- Redundant power supply
- Programmable error relay for PLC support
- SNMP V1
- Rapid Ring™
- RSTP 802.3w
- IGMP snooping
- Querier
- Port mirroring
- Port filtering
- Port setup functionality
- VLAN
- QoS
- TOS
- Diffserv
- MAC-based trunking
- Auto-crossover / Auto-polarity
- Auto-polarity
- Filtering and forwarding table
- Operational earthing
- Configuration via console (RS-232) or integrated web server

Our managed-line switches are also available as either multimode or singlemode versions.

### Ordering data

Number of ports
6 x RJ45, 1 x RS232, 2 x SC multi-mode
6 x RJ45, 1 x RS232, 2 x SC single-mode
6 x RJ45, 1 x RS232, 2 x ST multi-mode
8 x RJ45, 1 x RS232
14 x RJ45, 1 x RS232, 2 x SC multi-mode
14 x RJ45, 1 x RS232, 2 x SC single-mode
14 x RJ45, 1 x RS232, 2 x ST multi-mode
16x RJ45, 1 x RS232
22 x RJ45, 1 x RS232, 2 x SC multi-mode
22 x RJ45, 1 x RS232, 2 x SC single-mode
22 x RJ45, 1 x RS232, 2 x ST multi-mode
24x RJ45, 1 x RS232

Type	Order No.
IE-SW6/2SC-M	8845840000
IE-SW6/2SCS-M	8851850000
IE-SW6/2ST-M	8845850000
IE-SW8-M	8845740000
IE-SW14/2SC-M	8845780000
IE-SW14/2SCS-M	8851860000
IE-SW14/2ST-M	8845790000
IE-SW16-M	8845800000
IE-SW22/2SC-M	8845810000
IE-SW22/2SCS-M	8851870000
IE-SW22/2ST-M	8845820000
IE-SW24-M	8845830000

Singlemode design up to 120 km on request

### Accessories

Type	Order No.
RJ45 dust-protection plug	8813490000
Null modem cable	8866660000

#### Note

Type	Order No.
IE-DPC	8813490000
IE-C-NULLMODEM	8866660000

Cables and connection elements are found starting at Chapter C.

### Technical data

Housing	Aluminum
Length / Width / Height	140 mm / 45 mm / 155 mm
AC input voltage, min.-max.	8-24 V AC
DC input voltage, min.-max.	10-36 V DC
AC input power / DC	20 VA AC / 20 W DC
Input frequency	47 - 63 Hz
Operating temperature, min.-max.	-40 °C-75 °C
Storage temperature, min.-max.	-40 °C-85 °C
Installation	TS 35, wall
Standard	IEEE 802.3; 802.3u; 802.3x
Segment length	Copper 100 m; fiber (multimode) 2 km; fiber (singlemode) 20 km
Functionality	Auto-negotiation; programmable error relay; redundant power supply
Flow control	HD (backpressure) / FD (pause)
Status indication	Data rate, Power, Temperature monitoring, Connection/Activity
Approvals	cULus, Class I, Division 2, CE, EN55024, EN 55022, Gost R, GL
Optical budget	8 dB for 62.5/125 µm multimode 4 dB for 50/125 µm multimode 13 dB for 9/125 µm singlemode cable
Supported protocols	Profinet RT, Modbus TCP, TCP/IP, Ethernet/IP
Fault relay	max. 24 V / 30mA

#### Note: