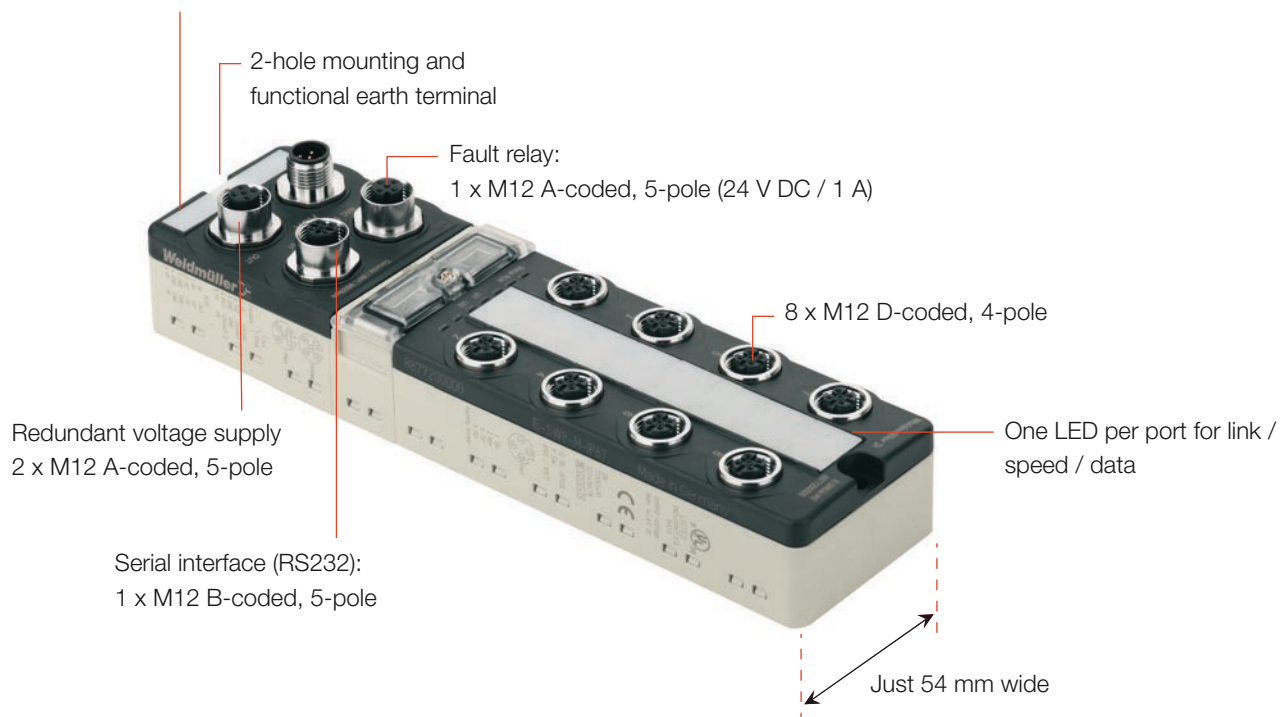


8-port switch in IP67

Two MultiCard markers or one long 40-mm marker for labelling the IP address



Switches are the central components of a network. They prevent data collision, allow rapid packet switching and enhance data throughput. Not only do Weidmüller switches meet the demands placed on the Fast Ethernet with its transmission rate of up to 100 Mbit/s, but they are also downward compatible with the older networks that have a transmission rate of 10 Mbit/s (IEEE 802.3). They recognize the speed automatically.

Weidmüller's unmanaged switches are Plug & Play devices for easy installation of Ethernet networks. They do not need to be either configured or parameterized.

Weidmüller's managed switches enable industry networks to be structured in order to optimize transport routes and times for network traffic. The various network components are cabled together hierarchically in a physical star. The main distributor in the field, in this case the Industrial Ethernet switch IE-SW-8-M-IP67, is the central switching point. All Weidmüller switches are protocol transparent. Each port forms both a network segment and a collision domain that are intrinsic to the port itself. The entire network bandwidth is available to each of these segments. This results in enhanced network performance not only over the network as a whole, but also in each individual segment. The switch examines each packet passing through for the MAC address of the target segment and is able to forward it directly there.

IP67 switches

For direct connection to the network in the field, Weidmüller offers an IP 67 switch with eight Ethernet ports for use in tough environments.

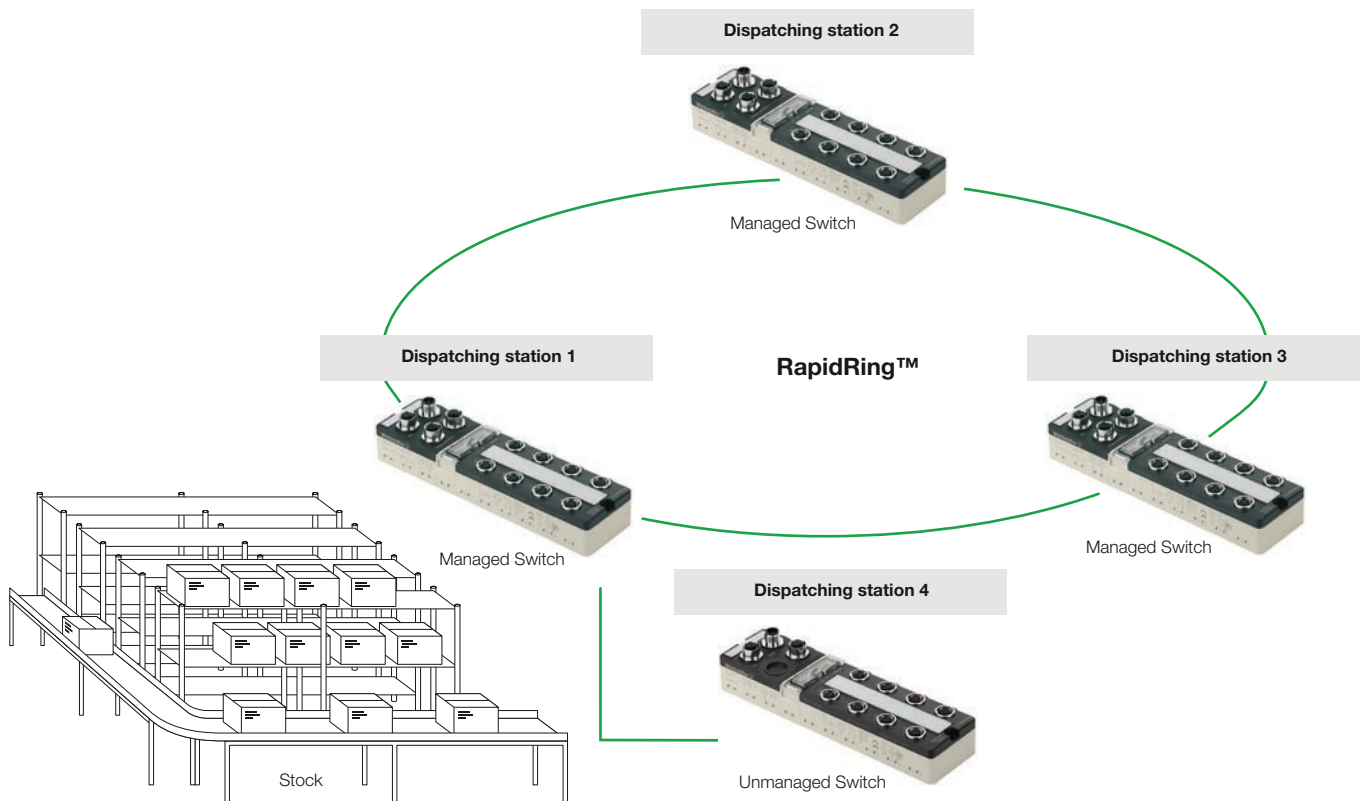
B

- Robust plastic housing (IP67 ingress protection class) for use in the field, complying with UL94 flammability rating V0
- Strip markers – wide range of marking systems and products
- Eight Ethernet ports with M12-D-coded plug-in connectors
- Temperature range from -40 °C to $+60\text{ °C}$

The features of the managed IP67 switch from Weidmüller include the following:

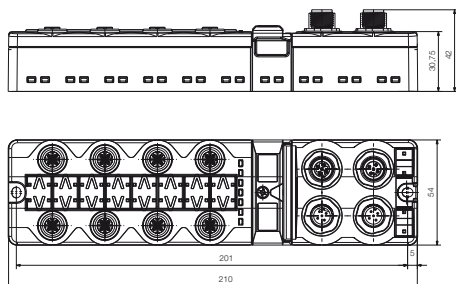
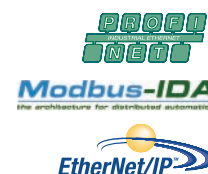
- Port trunking
- Port mirroring
- VLAN IEEE 802.1Q
- Filtering and forwarding table with fixed entries
- Selective multicast control
- Quality of service
- Configurable relay functions
- Access to the address table
- Configuration via Web interface or terminal program
- SNMP V.1-capability
- RSTP and RapidRing™
- IGMP snooping with querier functions
- Auto-crossing, auto-negotiation, auto-polarity
- Broadcast limitation
- Flow control IEEE 802.3x
- DHCP
- RMON (statistics, history, alarms, occurrences)

Stock control with the Weidmüller Industrial Ethernet Switches in IP67



IP 67 unmanaged switch

- IP 67 housing
- M12 D-coded plug-in connector



IP 67 unmanaged switch

Industrial Ethernet on the machine itself with simple and secure M12 plug-in connectors.

With their IP 67 class of protection and operating temperature range of -40°C to +60°C, these switches are ideal for use in the field.

In addition, the following functions are supported:

- Autonegotiation
- Redundant voltage supply
- Error relay PLC support

Ordering data

Number of ports	Type	Order No.
8 x M12	IE-SW8-IP67	8877190000

Accessories

	Type	Order No.
M12 protective cap	SAI-SK-M12-UNI	2330260000
Marker, transparent	ESG 8/13.5/43.3 SAI AU	1912130000

Note
Cables and connection elements are found starting at Chapter C.

Technical data

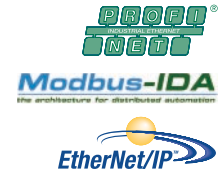
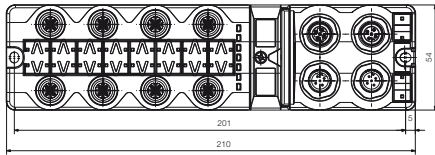
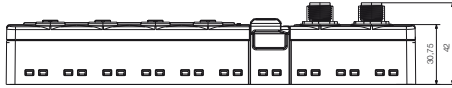
Housing	Plastic
Length / Width / Height	210 mm / 54 mm / 31 mm
AC input voltage, min.-max.	8-24 V AC
DC input voltage, min.-max.	10-36 V DC
Input power AC / DC	max. 5 W
Input frequency	47 - 63 Hz
Operating temperature, min.-max.	-40 °C-60 °C
Storage temperature, min.-max.	-40 °C-85 °C
Installation	Wall
Protection class	IP 67
Standard	IEEE 802.3; 802.3u; 802.3x
Data rate	10BASE-T/100BASE-TX
Segment length	Cooper 100 m
Functionality	"Auto-negotiation, redundant power supply, error relay for PLC support"
Flow control	half-duplex/full duplex
Status indication	Link, Power, Run, Status
Buffer memory	256 KByte per 8 ports
Address memory	4 K MAC addresses per 8 ports
Approvals	cULus, Class I, Division 2, CE, EN55024, EN 55022, Gost R
Aging	300 s
Supported protocols	Profinet RT, Modbus TCP, TCP/IP, EthernetIP

Note:

IP 67 switches

IP 67 managed switch

- IP 67 housing
- M12 D-coded plug-in connector



IP 67 managed switch

Industrial Ethernet on the machine itself with simple and secure M12 plug-in connectors.

With their IP 67 class of protection and operating temperature range of -40°C to +60°C, these switches are ideal for use in the field.

The following features are supported:

- Autonegotiation
- Redundant voltage supply
- 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
- Autocrossover
- Autopolarity
- Filtering and forwarding table
- DHCP-Client

Ordering data

Number of ports	Type	Order No.
8 x M12	IE-SW8-M-IP67	8877200000

Accessories

M12 protective cap	SAI-SK-M12-UNI	2330260000
Communication cable	IE-C-RS232-M12	8874290000
Marker, transparent	ESG 8/13.5/43.3 SAI AU	1912130000

Note
Cables and connection elements are found starting at Chapter C.

Technical data

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