

IE-SW-IP67-5M12

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Weidmüller IP 67 switches are suitable for the most difficult of industrial applications thanks to their robust housing with protection class IP 67, which certifies against the ingress of dust, water and oil. The M12 connection system guarantees a secure connection between cable and switch under external disturbances such as vibration and shock.

- M12 connection system and IP 67 protected housing
- 10/100BaseT(X), 4-pin M12 (D-coded)
- Full/half-duplex mode and auto MDI/MDI-X
- Input voltage 12 to 45 VDC, 18 to 30 VAC

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 5 * M12 D coded, IP67 encapsulated, -25 °C...60
Order No.	1504410000
Type	IE-SW-IP67-5M12
GTIN (EAN)	4050118312324
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Dimensions and weights

Depth	29.6	Depth (inches)	1.1654 inch
Height	125 mm	Height (inches)	4.9212 inch
Width	60 mm	Width (inches)	2.3622 inch
Net weight	270 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...60
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

EMC conformity and approvals

Free fall	According to IEC 60068-2-32	EMC standards	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL508		

Environmental conditions

Operating temperature, max.	60	Operating temperature, min.	-25 °C
Humidity	5 to 95 % (non-condensing)	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Number of ports	5 * M12 D coded	M12-Ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X connection, D-coded, 4-pole
LED indicator	PWR, LNK/ACT		

MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	370224 h

Power supply

Reverse polarity protection	Available												
Current consumption	0.12 A												
Supply voltage	24/36 V DC, 24 V AC												
Overload current protection	1.1 A												
Connection type	1 x M12 socket, A-coded, Pin												
Voltage supply range	<table border="1"> <tr> <td>Voltage type</td> <td>DC</td> </tr> <tr> <td>Voltage, min.</td> <td>12 V</td> </tr> <tr> <td>Voltage, max.</td> <td>45 V</td> </tr> <tr> <td>Voltage type</td> <td>AC</td> </tr> <tr> <td>Voltage, min.</td> <td>18 V</td> </tr> <tr> <td>Voltage, max.</td> <td>30 V</td> </tr> </table>	Voltage type	DC	Voltage, min.	12 V	Voltage, max.	45 V	Voltage type	AC	Voltage, min.	18 V	Voltage, max.	30 V
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Voltage, max.	45 V												
Voltage type	AC												
Voltage, min.	18 V												
Voltage, max.	30 V												

Switch characteristics

MAC table size	2 K	Packet buffer size	384 kBit
Bandwidth backplane	1 Gbit/s		

Technical data

Housing main material	Plastic	Type of mounting	Wall mounting, when screwed in
Protection degree	IP67 encapsulated	Speed	Fast Ethernet
Switch	unmanaged		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control		

Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02
ECLASS 15.0	19-17-04-02		

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Accessories

M12 straight male - M12 straight male

Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, M12



General ordering data

Type	IE-C5DD4UG0030MCSMCS-E	Version
Order No.	1025950030	Dragline cable, PROFINET, M12 D-code – IP 67 straight pin, M12 D-
GTIN (EAN)	4032248776061	code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-
Qty.	1 ST	B), PUR, 3 m

Dragline cable Cat.5 PUR - RJ45 IP20 / M12 IP67 straight male

Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, M12-RJ45



General ordering data

Type	IE-C5DD4UG0030MCSA70-E	Version
Order No.	1044470030	Dragline cable, PROFINET, M12 D-code – IP 67 straight pin, RJ45 IP
GTIN (EAN)	4032248779079	20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 3 m
Qty.	1 ST	

PUR halogen-free black (U)



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

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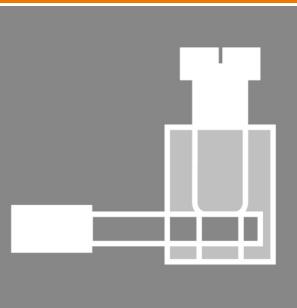
www.weidmueller.com

Accessories

General ordering data

Type	SAILM12BG-5-3.0U	Version
Order No.	9457910300	Sensor/actuator line, One end without connector, M12, Number of poles : 5, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath
GTIN (EAN)	4032248228843	material: PUR, Halogen: No
Qty.	1 ST	
Type	SAIL-M12GM12G-5-3.0U	Version
Order No.	9457340300	Sensor/actuator line, Connecting line, M12 / M12, Number of poles :
GTIN (EAN)	4008190311896	5, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath
Qty.	1 ST	material: PUR, Halogen: No

Screw connection

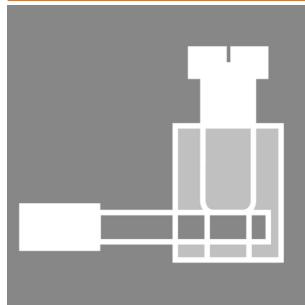


M12 plug-in connector in IP 67 available with crew or tension clamp connection

General ordering data

Type	SAISGS-M-4D-6/8-M12	Version
Order No.	1892120000	Field attachable connector, M12
GTIN (EAN)	4032248569380	
Qty.	1 ST	

Screw terminal connector



Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems. The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

General ordering data

Type	SAIBGS-P-5A-4/6-M12	Version
Order No.	9457250000	Field attachable connector, M12
GTIN (EAN)	4032248155774	
Qty.	1 ST	

Accessories



Screwty® cable gland tool with torque function

The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Type	SCREWTY SET -DM	Version
Order No.	1920000000	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	