

## SAIP-M12GM12G-3-5.0U

**Weidmüller Interface GmbH & Co. KG**  
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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.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

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

### General ordering data

Type	SAIP-M12GM12G-3-5.0U
Order No.	<a href="#">1108830500</a>
Version	Sensor/actuator line, Connecting line, M12 / M12, No. of poles: 3, 5 m, pin, straight - socket, straight, shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248888115
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Net weight 185 g

### Technical specifications for cable

No. of poles shielded	3 No	Core cross-section	0.34 mm <sup>2</sup>
Colour coding	Brown, Blue, Black	Insulation	TPM
Sheathing colour	Black	Sheath material	PUR
Cable length	5 m	Outer diameter	4.3 ± 0.2 mm
Temperature range, moving, max.	80 °C	Temperature range, moving, min.	-25 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40 °C
Suitable for cable carriers	Yes	Halogen	No
Bending radius, min., stationary	5 x cable diameter	Torsion resistance	180 °/m
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	10 x cable diameter
Bending cycles	5 Mio	Speed	200 m/min
		Resistant to welding beads	No

### General technical data

Version	pin, straight - socket, straight	Contact tube diameter	M12 / M12
Housing main material	PUR	Threaded ring material	Plastic
Coding	A	Protection degree	IP 65, IP 66, IP 67, IP 68, (when screwed in)
Contact surface	Gold-plated	LED	No
Rated voltage	250 V	Rated current	4 A
Insulation resistance	10 <sup>8</sup> Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12 (plastic): 0.9 - 1.1 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

### Classifications

ETIM 3.0	EC000830	eClass 6.2	27-06-91-90
eClass 7.1	27-06-91-90		

### Approvals

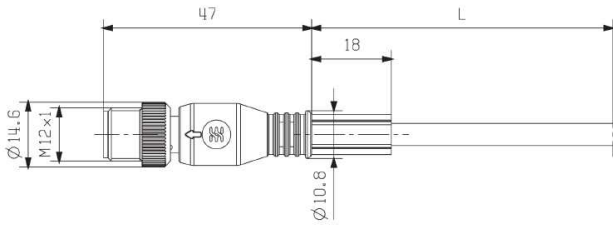
Approvals	
ROHS	Conform

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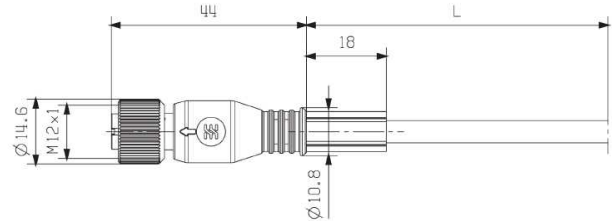
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**Zeichnungen**

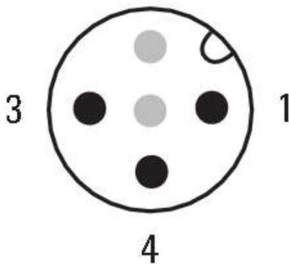
**Dimensioned drawing**



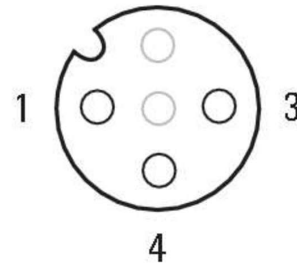
**Dimensioned drawing**



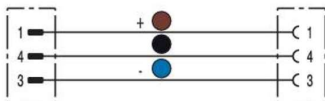
**Pole scheme**



**Pole scheme**



**Wiring diagram**



**The ideal tool, the Screwty<sup>®</sup> with torque function**



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F