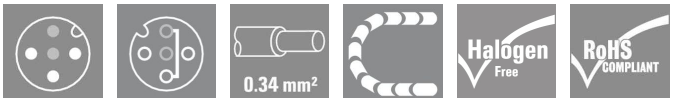
SAIP-M12GM12W-2/4-2.0U

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com





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-M12GM12W-2/4-2.0U
Order No.	1150620200
Version	Sensor/actuator line, Connecting line, M12 / M12, No. of poles: 3, 2 m, pin, straight - socket, 90°, shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248937707
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Net weight	81 g

Technical specifications for cable

No. of poles	3	Core cross-section	0.34 mm²
shielded	No	Insulation	TPM
Colour coding	Brown, Blue, Black	Sheath material	PUR
Sheathing colour	Black	Outer diameter	4.3 ± 0.2 mm
Cable length	2 m	Temperature range, moving, min.	-25 °C
Temperature range, moving, max.	80 °C	Temperature range, stationary, min.	-40 °C
Temperature range, stationary, max.	80 °C	Halogen	No
Suitable for cable carriers	Yes	Torsion resistance	180 °/m
Bending radius, min., stationary	5 x cable diameter	Bending radius, min., moving	10 x cable diameter
Acceleration	5 m/s²	Speed	200 m/min
Bending cycles	5 Mio	Resistant to welding beads	No

General technical data

Version	pin, straight - socket, 90°	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	10^8 Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12 (plastic): 0.9 - 1.1 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	2/4

Classifications

ETIM 3.0	EC000830	eClass 6.2	27-27-92-18
eClass 7.1	27-06-91-90		

Approvals

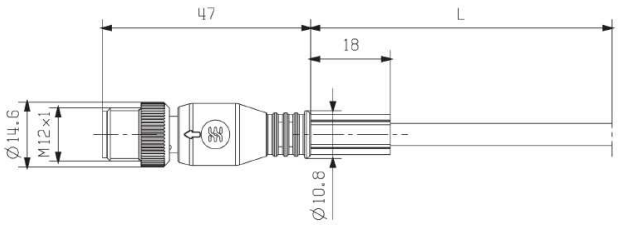
ROHS	Conform

SAIP-M12GM12W-2/4-2.0U

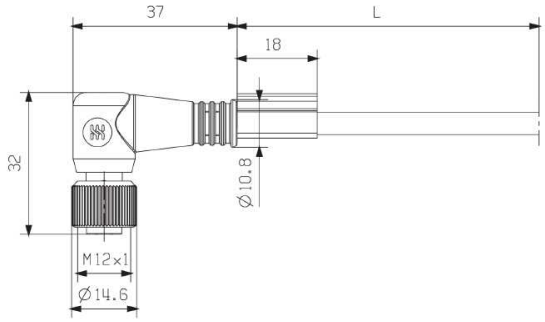
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Zeichnungen

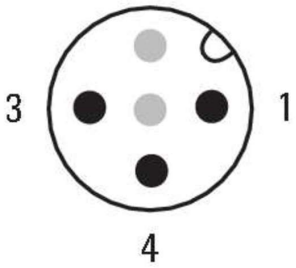
Dimensioned drawing



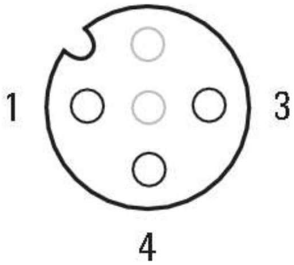
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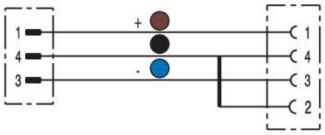
Pole scheme



Pole scheme



Wiring diagram



The ideal tool, the Screwty® 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