

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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

Version	Sensor/actuator line, One end without connector, M8, Number of poles: 4, 3 m, Socket, angled,	
	Shielded: No, LED: No, Sheath material: PUR,	
	Halogen: No	
Order No.	<u>1383000300</u>	
Туре	SAIP-M8BW-4-3.0U	
GTIN (EAN)	4050118191929	
Qty.	1 pc(s).	



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Technical data

Dimensions and weights

Net weight 80 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s ²
Bending cycles	12 Mio
Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter
Cable length	3 m
Colour coding	brown, white, blue, black
Configurable cable length	No
Core cross-section	0.25 mm ²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No
Housing main material	PUR
Hydrolysis and microbe resistant	Yes
Insulation	PP
LABS-free	Yes
Number of poles	4
Number of poles	4
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Outer diameter	4.4 ± 0.2 mm
Outside diameter	Diameter 4.4 mm
	Signs ±
	Tolerance 0.2 mm
Outside diameter	4.4 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404
Resistance to spread of flame	In accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2
Resistant to welding beads	No
Sheath material	PUR
Sheathing colour	black
Shielded	No
Speed	5 m/s
Suitable for cable carriers	Yes
Temperature range, moving	-2580 °C
Temperature range, moving, max.	80 °C
Temperature range, moving, min.	-25 °C
Temperature range, stationary	-4080 °C
Temperature range, stationary, max.	°C 08
Temperature range, stationary, min.	-40 °C
Torsion resistance	360 °/m



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General technical data

AF size	12 mm	Coding	none
Connection thread	M8	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP66, IP67, IP68,
	3		when screwed in
Rated current	4 A	Rated voltage	30 V
Temperature range of housing	-25+80 °C	Threaded ring material	POM
Tightening torque	M8: 0.5 - 0.6 Nm	Version	Socket, angled
jumpered	No		

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ECLASS 9.0	27-06-03-11	ECLASS 9.1	27-06-03-11
ECLASS 10.0	27-06-03-11	ECLASS 11.0	27-06-03-11

Approvals

Approvals



UL File Number Search E307231

Downloads

Engineering Data	EPLAN, WSCAD
Product Change Notification	Technical change to M12 plastic nuts - EN Technical change to M12 plastic nuts - DE



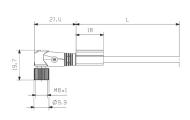
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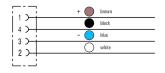
Drawings

Dimensioned drawing

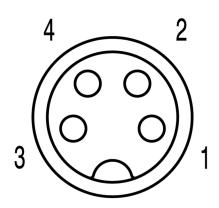


Angled socket

Wiring diagram



Pole scheme



Socket The ideal tool: Screwty ® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 192000000 Adapters: M12, M12 F, M8, M8 F