

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 : 3, 10 m, Socket, angled, Shielded: No. LED: No. Sheath material: PUR.
	Halogen: No
Order No.	1382981000
Туре	SAIP-M8BW-3-10U
GTIN (EAN)	4050118191905
Qty.	1 pc(s).



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Technical data

Net weight	120 g		
Environmental Product Comp	liance		
REACH SVHC	Lead 7439-92-1	SCIP	1c533b66-fcff-4da5-b89 fd55fbf5cb55
Technical specifications for c	able		
Acceleration	5 m/s ²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	10 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm ²	Core in accordance with UL AWM style	
Halogen	No	Hydrolysis and microbe resistant	Yes
nsulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL		Outside diameter	
AWM style	20549 (80 °C / 300 V)	outside didiffeter	4.1 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
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, stationary	-4080 °C
Torsion resistance	360°/m	Welding spark resistance	No
General technical data			
Coding	A	Connection thread	M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	
		<u> </u>	No
Plugging cycles	≥ 100 IP65, IP66, IP67, IP68,	Pollution severity Rated current	3
Protection degree	when screwed in	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 +85 ° C
Threaded ring material	POM	Tightening torque	M8: 0.5 - 0.6 Nm
Version	Socket, angled	jumpered	No
Electrical properties	· , ,	, ,	
• •			
Insulation strength	10 ⁸ Ω	Rated voltage	60 V
General standards			
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104
Standards			
Connector standard	IEC 61076-2-104		



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Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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	ECLASS 12.0	27-06-03-11

Approvals

Approvals



UL File Number Search	UL Website	
Certificate no. (cULus)	E307231	

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN



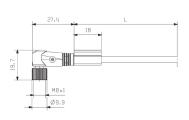
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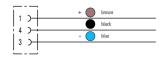
Drawings

Dimensioned drawing

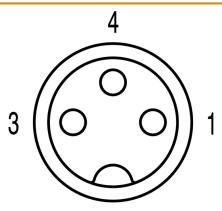


Angled socket

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.: 1920000000 Adapters: M12, M12 F, M8, M8 F

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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