

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.

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

#### **General ordering data**

Version	Sensor/actuator line, Connecting line, M12 /
	M12, Number of poles : 3, 3 m, pin, 90° - socket
	90°, Shielded: No, LED: No, Sheath material: PUR,
	Halogen: No
Order No.	<u>1815670300</u>
Туре	SAIL-M12WM12W-3-3.0U
GTIN (EAN)	4032248403417
Qty.	1 items



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## **Technical data**

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Approvals	 -	
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ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate no. (cULus)	E307231

#### **Dimensions and weights**

Diameter	3.8 mm	Net weight	80.96 g

#### **Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

#### **Technical specifications for cable**

Cable length	3 m	Sheathing colour	black
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.34 mm <sup>2</sup>	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	12 Mio
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	3.33 m/s
Sheath material	PUR	Configurable cable length	Yes
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	brown, blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-5080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2560 °C
Length of torsion	1 m	Sheath material hygroscopic	Yes
Number of poles	3	Outside diameter	3.8 mm ± 0.15 mm

## General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, 90° - socket 90°	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	250 V
Nominal current	4 A	Protection degree	IP65, IP66, IP67, IP68, when screwed in, IP69
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Diecast zinc
Temperature range of housing	-25+85 °C	Shock and vibration proof according to	Section B
Tightening torque	M12: 0.8 - 1.2 Nm		

Creation date 28.11.2025 02:52:29 MEZ

Catalogue status / Drawings 2





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# **Technical data**

		_
108 Ω	Nominal voltage	250 V
IEC 61076-2-101	Certificate no. (cULus)	E307231
IEC 61076-2-101	Shock and vibration proof according to	Section B
M12, A-coded, IP69, male contact, angled 90°, Plastic, unshielded		
M12, A-coded, IP69, female contact, angled 90°, Plastic, unshielded		
EC001855	ETIM 7.0	EC001855
EC001855 EC001855	ETIM 9.0 FCLASS 9.0	EC001855 27-06-03-11
27-06-03-11	ECLASS 10.0	27-06-03-11
27-06-03-11	ECLASS 12.0	27-06-03-11
27-06-03-11 27-06-03-11	ECLASS 14.0	27-06-03-11
	IEC 61076-2-101  IEC 61076-2-101  M12, A-coded, IP69, male contact, angled 90°, Plastic, unshielded  M12, A-coded, IP69, female contact, angled 90°, Plastic, unshielded  EC001855 EC001855 EC001855 27-06-03-11 27-06-03-11	IEC 61076-2-101   Certificate no. (cULus)

Catalogue status / Drawings



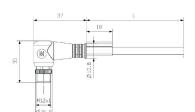
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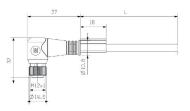
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## **Drawings**

### **Dimensioned drawing**



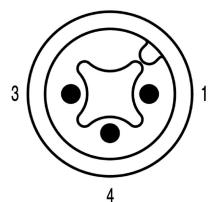
# Dimensioned drawing



Male, angled

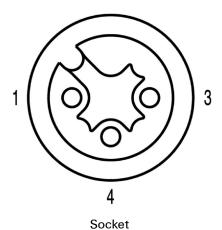
Angled socket

#### Pole scheme



Male

#### Pole scheme







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**Drawings** 

Wiring diagram

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