

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com













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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.

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 / M8,
	Number of poles: 4, 10 m, pin, 90° - socket
	90°, Shielded: No, LED: No, Sheath material:
	PVC, Halogen: Yes
Order No.	<u>1938221000</u>
Туре	SAIL-M12WM8W-4-10V
GTIN (EAN)	4032248611829
Qty.	1 items





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# **Technical data**

Aр	prova	ls
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Approvals



ROHS Conform

### **Dimensions and weights**

Net weight 344 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	10 m	Sheathing colour	black
Suitable for cable carriers	No	Core cross-section	0.25 mm <sup>2</sup>
Shielded	No	Halogen	Yes
Insulation	PVC	Sheath material	PVC
Configurable cable length	No	Outer cladding in accordance with UL AWM style	2464 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	brown, white, blue, black	Torsion resistance	0 °/m
Temperature range, stationary	-3080 °C	Resistant to welding beads	No
Temperature range, moving	-580 °C	Number of poles	4
Outside diameter	4.8 mm + 0.2 mm		

### **General technical data**

M12 = A-coded, M8 = none	Connection thread	M12 / M8
Gold-plated	LED	No
pin, 90° - socket 90°	Housing main material	PUR
108 Ω	Nominal voltage	30 V
4 A	Protection degree	IP67, IP68, when fully mounted, IP65, IP66
≥ 100	Pollution severity	3
No	Threaded ring material	Diecast zinc
-25+85 °C	Tightening torque	M8: 0.5 - 0.6 Nm, M12: 0.8 - 1.2 Nm
	none Gold-plated pin, 90° - socket 90° 108 Ω 4 A ≥ 100 No	none Gold-plated pin, 90° - socket 90°  108 Ω A A Protection degree  ≥ 100 No Pollution severity Threaded ring material

### **Electrical properties**

Insulation resistance	108 Ω	Nominal voltage	30 V

### **General standards**

Connector standard	IEC 61076-2-101, IEC	
	61076-2-104	

Catalogue status / Drawings 2





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# **Technical data**

5	ta	nd	lar	ds	

Connector standard IEC 61076-2-101, IEC

61076-2-104

Plug, left

Plug left M12, A-coded, IP69,

male contact, angled 90°, Plastic, unshielded

Plug, right

Plug right M8, IP69, female contact,

angled 90°, Plastic, LED,

unshielded

#### Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Catalogue status / Drawings



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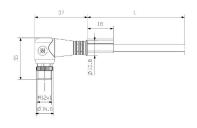
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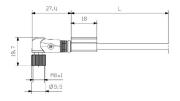
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## **Drawings**

### **Dimensioned drawing**

# Dimensioned drawing



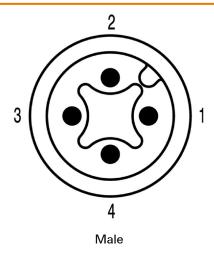


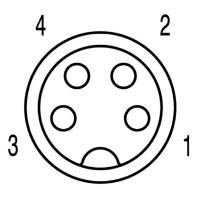
Male, angled

Angled socket

#### Pole scheme

### Pole scheme





Socket





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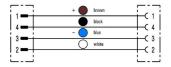
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## **Drawings**

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