

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**

Sensor/actuator line, Connecting line, M8, Number of poles: 4, 0.3 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
<u>1857680030</u>
SAIL-M8WM8W-4-0.3U
4050118295160
1 items



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# **Technical data**

Approvals
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Approvals	
	LISTED

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

## **Dimensions and weights**

Net weight 16.72 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	0.3 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.25 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	5 m/s
Sheath material	PUR	Configurable cable length	No
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, white, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-4080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2580 °C
Length of torsion	1 m	Number of poles	4
Outside diameter	4.4 mm ± 0.2 mm		

## **General technical data**

Coding	A-coded	Connection thread	M8
Contact surface	Gold-plated	LED	No
Version	pin, 90° - socket 90°	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	4 A	Protection degree	IP69, IP65, IP66
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25+85 °C		

Creation date 01.12.2025 08:30:55 MEZ

Catalogue status / Drawings 2





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# **Technical data**

Insulation resistance	108 Ω	Nominal voltage	30 V
General standards			
Connector standard	IEC 61076-2-104	Certificate no. (cULus)	E307231
Standards			
Connector standard	IEC 61076-2-104		
Plug, left			,
Plug left	M8, IP69, male contact, angled 90°, Plastic, unshielded		
Plug, right			
Plug right	M8, IP69, female contact, angled 90°, Plastic, 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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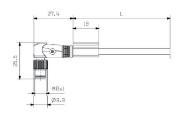
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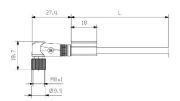
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# **Drawings**

# **Dimensioned drawing**

# Dimensioned drawing



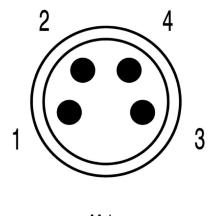


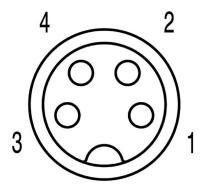
Male, angled

Angled socket

#### Pole scheme

### Pole scheme





Male

Socket





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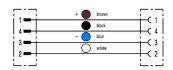
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# **Drawings**

## Wiring diagram







Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F