

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, M8 / M8, Number of poles: 4, 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1880470100
Туре	SAIL-M8GM8G-4-1.0U
GTIN (EAN)	4032248555499
Qty.	1 items



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# **Technical data**

Approvals	Αp	pr	ov	als	S
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Approvals	440
	C C(VL)us
	LISTER

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

### **Dimensions and weights**

Net weight 31.68 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	1 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		<u> </u>

### **General technical data**

Coding	A-coded	Connection thread	M8 / M8
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 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	Brass, nickel-plated
Temperature range of housing	-25+85 °C	Tightening torque	M8: 0.5 - 0.6 Nm

Creation date 30.11.2025 06:44:34 MEZ

Catalogue status / Drawings 2





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# **Technical data**

108 Ω  IEC 61076-2-104  IEC 61076-2-104  M8, IP69, male contact, straight, Plastic,	Nominal voltage  Certificate no. (cULus)	30 V E307231
IEC 61076-2-104  M8, IP69, male contact,	Certificate no. (cULus)	E307231
IEC 61076-2-104  M8, IP69, male contact,	Certificate no. (cULus)	E307231
M8, IP69, male contact,		
M8, IP69, male contact,		
unshielded		
M8, IP69, female contact, straight, Plastic, unshielded		
EC001855	ETIM 7.0	EC001855
EC001855	ETIM 9.0	EC001855
		27-06-03-11
		27-06-03-11
		27-06-03-11
27-06-03-11	ECLASS 14.0	27-06-03-11
		EC001855         ETIM 9.0           EC001855         ECLASS 9.0           27-06-03-11         ECLASS 10.0           27-06-03-11         ECLASS 12.0           27-06-03-11         ECLASS 14.0

Catalogue status / Drawings



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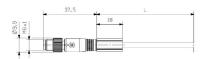
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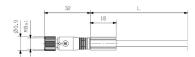
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# **Drawings**

## **Dimensioned drawing**

## **Dimensioned drawing**



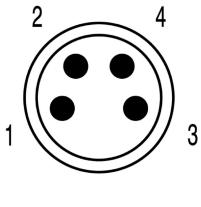


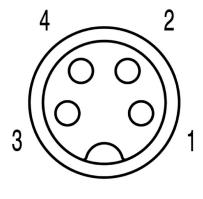
Male, straight

Straight socket

#### Pole scheme

## Pole scheme





Socket





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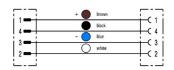
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# **Drawings**

### 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