

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, M8 / M8, Number of poles: 3, 3.2 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1824570320</u>
Туре	SAIL-M8GM8G-3-3.2U
GTIN (EAN)	4050118566710
Qty.	1 pc(s).

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# **Technical data**

Net weight	93.155 g		
Environmental Product Comp	liance		
REACH SVHC		SCIP	1c533b66-fcff-4da5-b89
NLACIT SVIIC	Lead 7439-92-1	SCIF	fd55fbf5cb55
Technical specifications for c	able		
Acceleration	5 m/s <sup>2</sup>	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	3.2 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm <sup>2</sup>	Core in accordance with UL AWM style	
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	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 / M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength		LED	
	10 <sup>8</sup> Ω		No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP69, IP65, IP66	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 +85 ° C
Threaded ring material	Brass, nickel-plated	Version	pin, straight - socket, straight
Electrical properties			
Insulation strength	10 <sup>8</sup> Ω	Rated voltage	60 V
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11

ECLASS 10.0

ECLASS 12.0

ECLASS 9.1

ECLASS 11.0

27-06-03-11

27-06-03-11

27-06-03-11

27-06-03-11



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# Technical data

Approv	als

Approvals



ROHS Conform

#### **Downloads**

Catalogues in PDF-format



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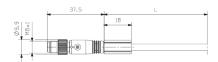
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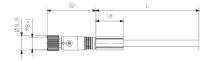
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## **Drawings**

## **Dimensioned drawing**

## **Dimensioned drawing**



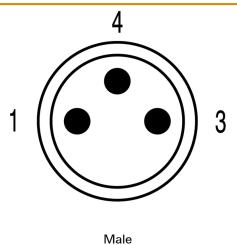


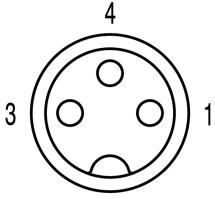
Straight socket

### Male, straight

Pole scheme

#### Pole scheme

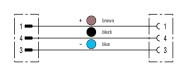




Socket

## Wiring diagram

The ideal tool: Screwty ® with torque function





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 192000000 Adapters: M12, M12 F, M8, M8 F

# **Mouser Electronics**

**Authorized Distributor** 

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