

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, M12 / M8, Number of poles: 3, 0.8 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
<u>9457770080</u>
SAIL-M12GM8G-3-0.8U
4050118604740
1 items

Catalogue status / Drawings





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60 V

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#### Technical data

Approvals					
Approvals	11				
	7)				
ROHS	Conform				
Dimensions and weights					
Diameter	3.6 mm	Net weight	29.92 g		
Environmental Product Comp	iance		'		
Dalle Canadian as Chatus	Committee to sittle assessmention				
RoHS Compliance Status	Compliant with exemption				
RoHS Exemption (if applicable/known) REACH SVHC	6c				
SCIP	Lead 7439-92-1	55fhf5ch55			
	1c533b66-fcff-4da5-b89f-fd55fbf5cb55				
Technical specifications for ca	able				
Cable length	0.8 m	Sheathing colour	black (similar to RAL 9005)		
Resistance to oils	Yes	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	5 Mio		
Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2	Speed	3.33 m/s		
Sheath material	PUR	Configurable cable length	No		
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	Drain wire integrated	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	Number of poles	3		
Outside diameter	3.6 mm + 0.15 mm				
General technical data					
Connection thread	M12 / M8	Contact surface	Gold-plated		
LED	No	Version	pin, straight - socket, straight		
Housing main material	PUR	Insulation resistance	108 Ω		
Nominal voltage	60 V	Nominal current	4 A		
Protection degree	IP69, IP65, IP66	Plugging cycles	≥ 100		
Donate to the	3	Threaded ring material Brass, nickel-plated, Diecast zinc			
Pollution severity	-25+85 °C		Diecast zinc		

Creation date 03.12.2025 02:57:20 MEZ

Insulation resistance

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Nominal voltage

108 Ω





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27-06-03-11

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# **Technical data**

ETIM 10.0

ECLASS 15.0

Plug, left			
Plug left	M12, A-coded, IP69, ma contact, straight, Plastic, unshielded		
Plug, right			
Plug right	M8, IP69, female contac straight, Plastic, LED, unshielded	t,	
Classifications			
ETIM 8.0	EC001855	ETIM 9.0	EC001855

EC001855

27-06-03-11

ECLASS 14.0



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# **Drawings**

### **Dimensioned drawing**

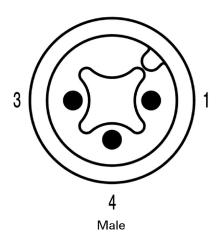
# **Dimensioned drawing**

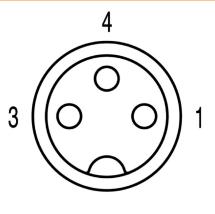
Male, straight

Straight socket

#### Pole scheme

# Pole scheme





Socket





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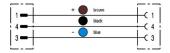
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**Drawings** 

Wiring diagram

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