

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

## **Product image**















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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 / M12, Number of poles: 12, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1964401000</u>
Туре	SAIL-M12GM12G-12-10U
GTIN (EAN)	4032248648801
Qty.	1 items



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# **Technical data**

Approvals	( C c(U) us	UK
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ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate no. (cULus)	E307231

## **Dimensions and weights**

Net weight 405 g

#### **Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## **Technical specifications for cable**

Cable length	10 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.14 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	1 mill.	Speed	5 m/s
Sheath material	PUR	Configurable cable length	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	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-4080 °C	Resistant to welding beads	No
Temperature range, moving	-2580 °C	Number of poles	12
Outside diameter	5.6 mm ± 0.2 mm		

#### **General technical data**

Coding	A-coded	Connection thread	M12 / M12
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	1.5 A	AF size	13 mm
Protection degree	IP65, IP67, IP68, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Brass, nickel-plated	Temperature range of housing	-40 +85 ° C
Shock and vibration proof according to	Section B	Tightening torque	M12: 1.0 Nm

Catalogue status / Drawings 2





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# **Technical data**

Insulation resistance	108 Ω	Nominal voltage	30 V
Rated current	1.5 A		
General standards			
Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
Standards			
Connector standard	IEC 61076-2-101	Shock and vibration proof according to	Section B
Plug, left			
Plug left	M12, A-coded, IP67, male contact, straight, Plastic, unshielded		
Plug, right			
Plug right	M12, A-coded, IP67, female contact, straight, Plastic, unshielded		
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855 EC001855	ETIM 7.0 ETIM 9.0	EC001855 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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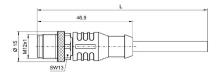
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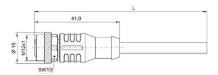
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## **Drawings**

## **Dimensioned drawing**

## Dimensioned drawing





Male, straight

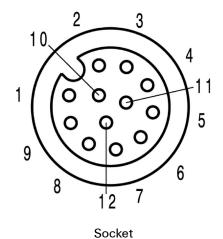
Straight socket

#### Pole scheme

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Male

#### Pole scheme







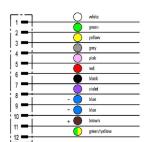
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## **Drawings**

## 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