

#### 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, M12 / M12, Number of poles: 3, 5 m, Twin cabling, pin, straight, 2x socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1005460500
Туре	SAIL-ZW-M12BG-3-5.0U
GTIN (EAN)	4032248705214
Qty.	1 items



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# **Technical data**

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

### **Dimensions and weights**

Net weight 238.48 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	5 m	Sheathing colour	black (similar to RAL 9005)
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.34 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	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)	Welding spark resistance	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	3.8 mm ± 0.15 mm		

## General technical data

Cadina	A sadad	Commontion through	NA12 / NA12
Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	Twin cabling, pin, straight, 2x socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	250 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP67, IP68, when screwed in, IP65, IP66	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Diecast zinc	Temperature range of housing	-25+85 °C
Tightening torque	M12: 0.8 - 1.2 Nm		

Creation date 28.11.2025 04:53:34 MEZ

Catalogue status / Drawings 2





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# **Technical data**

Insulation resistance	108 Ω	Nominal voltage	250 V
General standards			
Connector standard	IEC 61076-2-101	Certificate No. (CSA)	200039-2372994
Certificate no. (cULus)	E307231		
Standards			
Connector standard	IEC 61076-2-101		
Plug, left			
Plug left	M12, A-coded, IP68, male contact, straight, Plastic, unshielded		
Plug, right			,
Plug right	M12, A-coded, IP68, female contact, straight, Plastic, unshielded, M12, A-coded, IP68, female contact, straight, 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	27-06-03-13	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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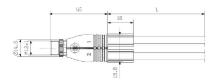
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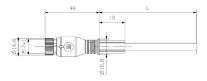
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# **Drawings**

### **Dimensioned drawing**





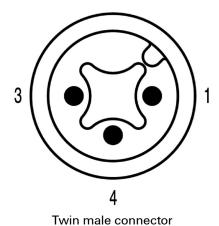


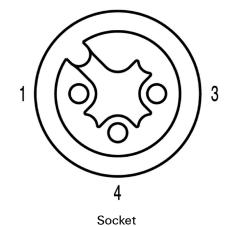
Twin male connector, straight

Straight socket

#### Pole scheme

### Pole scheme









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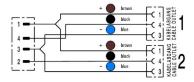
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# **Drawings**

### 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