

SAIL-M12BW-12-5.0U**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, One end without connector, M12, Number of poles : 12, 5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1898240500
Type	SAIL-M12BW-12-5.0U
GTIN (EAN)	4032248516568
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	193 g
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	1 mill.
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length		Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black
	5 m		
Configurable cable length	No	Core cross-section	0.14 mm ²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Halogen	No
Insulation	PP	Irradiation crosslinked	No
Number of poles		Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
	12	Resistant to welding beads	No
Outside diameter	5.6 mm ± 0.2 mm	Sheathing colour	black
Sheath material	PUR	Speed	5 m/s
Shielded	No	Temperature range, moving	-25...80 °C
Suitable for cable carriers	Yes	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C		
Welding spark resistance	No		

General technical data

AF size	13 mm	Coding	A-coded
Connection thread	M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP67, when screwed in, IP65, IP66
	3		
Rated current	1.5 A	Rated voltage	30 V
Temperature range of housing	-40 ... +85 °C	Threaded ring material	Brass, nickel-plated
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Socket, angled
jumpered	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated current	2 A (8-pole) / 1.5 A (12-pole)
Rated voltage	30 V		

General standards

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101
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Standards

Connector standard	IEC 61076-2-101
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Plug, left

Plug left	M12, A-coded, IP67, female contact, angled 90°, Plastic, unshielded
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Technical data**Plug, right**

Plug right	free conductor end
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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	27-06-03-11	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		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

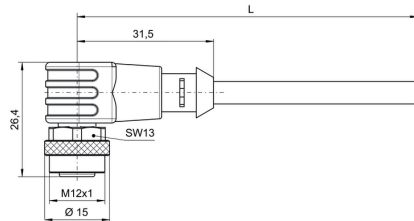
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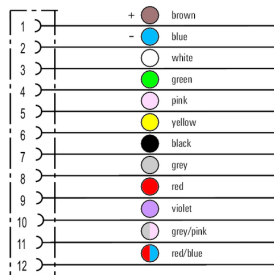
Drawings

Dimensioned drawing



Pole scheme

Wiring diagram



Socket

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