SAIL-M12BW-12S3.0U

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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.
Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Type	SAIL-M12BW-12S3.0U
Order No.	1424280300
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 12, 3 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118228915
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	166 g

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Technical specifications for cable

Number of poles	12	Core cross-section	0.14 mm²
Cable length	3 m	Shielded	Yes
Insulation	PP	Colour coding	black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue
Sheath material	PUR	Sheathing colour	black
Halogen	No	Temperature range, moving	-30...90 °C
Temperature range, stationary	-40...90 °C	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Suitable for cable carriers	Yes
Torsion resistance	0 °/m	Bending radius, min., stationary	5 x cable diameter
Bending radius, min., moving	12 x cable diameter	Acceleration	5 m/s²
Speed	100 m/min	Bending cycles	1 mill.
Hybrid cable	No	Irradiation crosslinked	No
Configurable cable length	No		

General technical data

Version	Socket, angled	Connection thread	M12
Housing main material	TPU	Threaded ring material	Diecast zinc
Coding	A	Protection degree	IP67, when screwed in
Contact surface	Gold-plated	LED	No
Rated voltage	30 V	Rated current	1.5 A
Insulation strength	10^8 Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

Standards

Connector standard	IEC 61076-2-101

Classifications

ETIM 5.0	EC001855	ETIM 6.0	EC001855
eClass 6.2	27-27-92-18	eClass 7.1	27-27-92-18
eClass 8.1	27-27-92-18	eClass 9.0	27-06-03-11
eClass 9.1	27-06-03-11		

Approvals

Approvals	EAC
ROHS	Conform

Creation date May 27, 2019 4:22:18 PM CEST

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Technical data

Downloads

Brochure/Catalogue	FL FIELDWIRING EN

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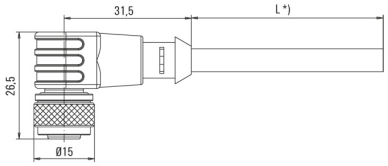
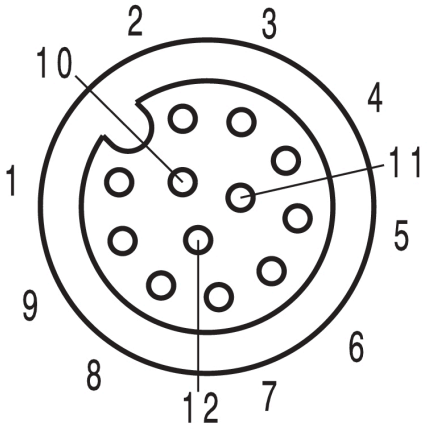
Drawings

Dimensioned drawing



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.: 1920000000 Adapters: M12, M12 F, M8, M8 F