

SAIL-M12BW-4-3.0UN

M12 female angled, 4-pole, PUR



Overview

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.

General Ordering Data

Version	Sensor/actuator line, One end without connector, M12, Number of poles : 4, 3 m. Socket, Angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1022750300
Type	SAIL-M12BW-4-3.0UN
Qty	1 pc(s)

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Technical Data

Technical specifications for cable

Acceleration	5 m/s ²
Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.
Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter
Cable length	3 m
Configurable cable length	No
Color coding	brown, black, blue, white
Core cross-section	0.34 mm ²
Halogen	No
Insulation	PP
LABS-free	Yes
Number of poles	4
Outside diameter	5 mm ± 0.2 mm
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2
Resistant to welding beads	No
Sheath material	PUR
Sheathing color	black
Shielded	No
Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C
Temperature range, stationary	-50...80 °C
Welding spark resistance	No

Electrical properties

Insulation strength	10 ⁸ Ω
Rated voltage	250 V

General standards

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

General technical data

Coding	A
Connection thread	M12
Contact surface	CuSn / CuAu
Housing main material	PUR
Insulation strength	10 ⁸ Ω
LED	No
Plugging cycles	≥ 100
Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in, IP69
Rated current	4 A
Rated voltage	250 V
Shock and vibration proof	according to Section B
Temperature range of housing	-40 ... +90 °C
Tightening torque	M12: 0.8 - 1.2 Nm
Threaded ring material	CuZn / Ni
Version	Socket, Angled
Jumpered	No

Approvals



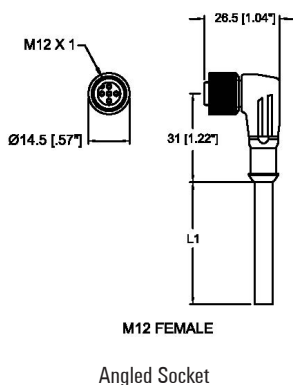
UL File Number Search E307231

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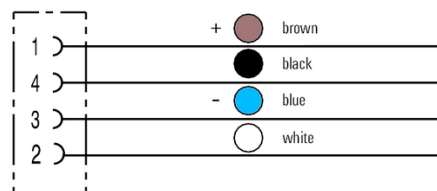
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Drawings

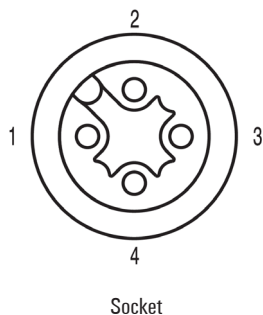
Dimension Drawing



Wiring Diagram



Pole Scheme



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

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