Data sheet

SAIL-M12GM12W-5-1.0TYV

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



General ordering data

Version	Sensor/actuator line, M12 / M12, Number of poles : 5, 1 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2812820100
Type	SAIL-M12GM12W-5-1.0TYV
GTIN (EAN)	4064675428091
Qty.	1 items

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Dimensions and weights

Net weight	88 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	bd63baef-8092-4596-90c7-5b4daa22710b

Technical specifications for cable

Cable length	1 m	Sheathing colour	yellow
Resistance to oils	in accordance with IEC 60811:404	Core cross-section	0.34 mm²
Shielded	No	Halogen	No
Insulation	TPE	Cable Material	PUR
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Bending cycles	10 Mio	Sheath material	PUR
LABS-free	Yes	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Core in accordance with UL AWM style	10995 (80 °C / 300 V)	Irradiation crosslinked	No
Welding spark resistance	Yes	Colour coding	brown, blue, black, white, grey
Torsion resistance	360 °/m	Temperature range, stationary	-30...105 °C
Resistant to welding beads	Yes	Bending cycles at torsion	> 5 Mio.
Temperature range, moving	-40...105 °C	Number of poles	5
Outside diameter	5.2 mm ± 0.2 mm		

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, 90°	Housing main material	PUR
Nominal voltage	60 V	Nominal current	4 A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Nominal voltage	60 V

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General standards

Certificate no. (cULus)	E307231

Plug, left

Plug left	M12, A-coded, IP68, male contact, straight, Plastic, unshielded

Plug, right

Plug right	M12, A-coded, IP68, female contact, angled 90°, Plastic, unshielded

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

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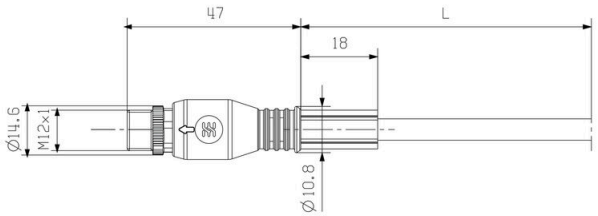
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Drawings

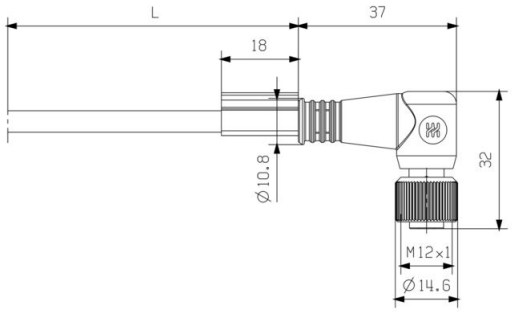
Detailed drawing



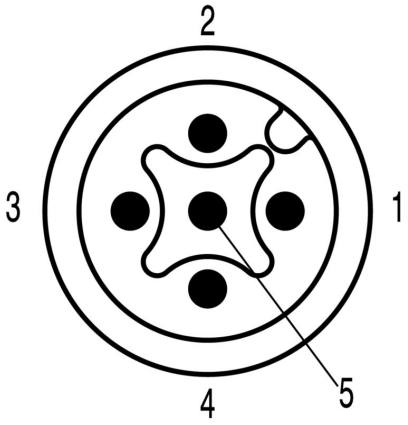
Dimensioned drawing



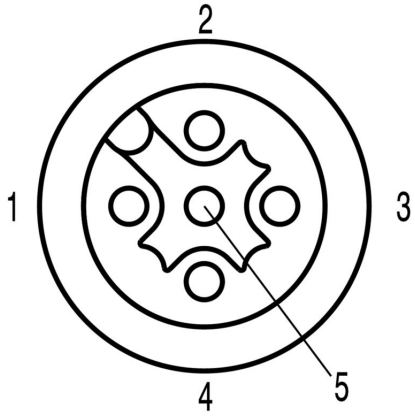
Dimensioned drawing



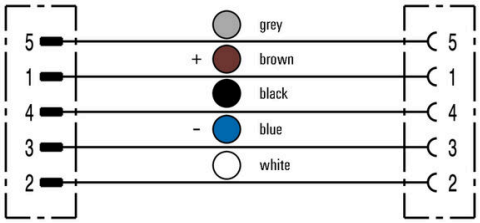
Pole scheme



Pole scheme



Wiring diagram



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Drawings

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