Data sheet

SAIL-M12BW-5-1.0TOV

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

www.weidmueller.com



General ordering data

Version	Sensor/actuator line, One end without connector, M12, Number of poles : 5, 1 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2812680100
Type	SAIL-M12BW-5-1.0TOV
GTIN (EAN)	4064675342366
Qty.	1 items

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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	95 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	orange
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm²	Number of wires	5
Shielded	No	Halogen	No
Insulation	TPE	Bending radius, min., moving	7.5 x cable diameter
Bending radius, min., stationary	4 x cable diameter	Bending cycles	10 Mio
Resistance to spread of flame	in accordance with IEC 60332-1-2	Sheath material	PUR
Cable length configurable	No	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)
Type is hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	Yes	Colour coding	brown, white, blue, black, grey
Torsion resistance	360 °/m	Temperature range, stationary	-40...105 °C
Resistant to welding beads	Yes	Temperature range, moving	-30...105 °C
Number of poles	5	Outside diameter	5.2 mm ± 0.2 mm

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Socket, angled	Housing main material	PUR
Contact material	Copper alloy	Nominal voltage	60 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Pollution severity	3
jumpered	No	Threaded ring material	Diecast zinc
Temperature range of housing	-25...+85 °C		

Electrical properties

Nominal voltage	60 V

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General standards

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

Standards

Connector standard	IEC 61076-2-101

Plug, left

Plug left	M12, A-coded, Number of poles: 5, female contact, angled 0°, plug, unshielded

Plug, right

Plug right	Free conductor end

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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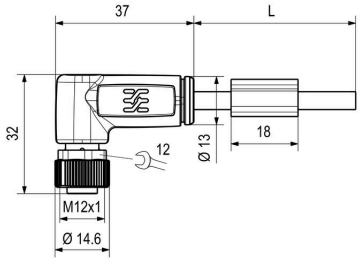
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Drawings

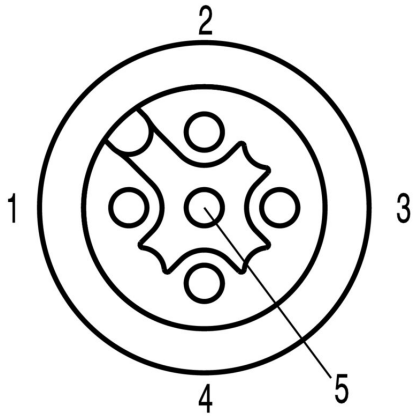
Detailed drawing



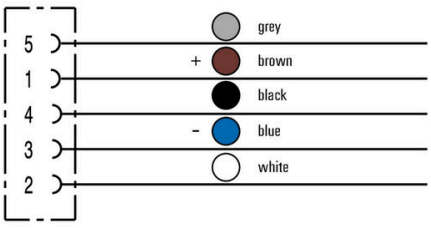
Dimensioned drawing



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