

**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&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2812820100</a>
Type	SAIL-M12GM12W-5-1.0TYV
GTIN (EAN)	406467542809 1
Qty.	1 pc(s).

Creation date July 10, 2025 7:53:27 PM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight 88 g

### Technical specifications for cable

Bending cycles	10 Mio	Bending cycles at torsion	> 5 Mio.
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable Material	PUR	Cable length	1 m
Colour coding	brown, blue, black, white, grey	Core cross-section	0.34 mm <sup>2</sup>
Core in accordance with UL AWM style	10995 (80 °C / 300 V)	Halogen	No
Insulation	TPE	Irradiation crosslinked	No
LABS-free	Yes	Number of poles	5
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Outside diameter	5.2 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistant to welding beads	Yes
Sheath material	PUR	Sheathing colour	yellow
Shielded	No	Temperature range, moving	-40...105 °C
Temperature range, stationary	-30...105 °C	Torsion resistance	360 °/m
Welding spark resistance	Yes		

### General technical data

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

### Electrical properties

Rated voltage 60 V

### 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

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**Technical data****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		

**Approvals**

Approvals



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

**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

**Downloads**

Product Change Notification	<a href="#">Technical change to 3 to 5-pole unshielded M12 cord sets</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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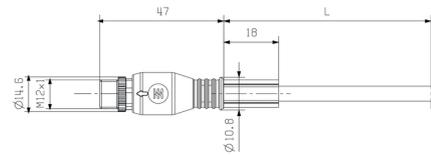
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**Drawings**

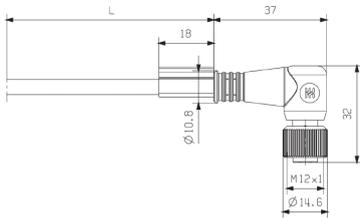
**Detailed drawing**



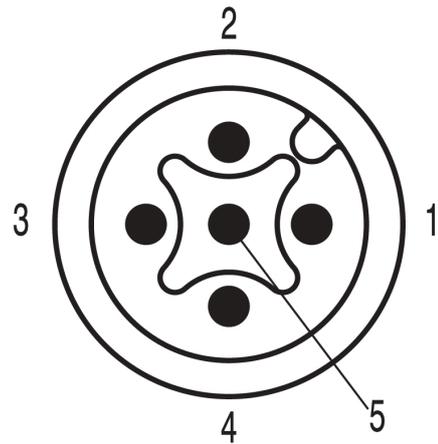
**Dimensioned drawing**



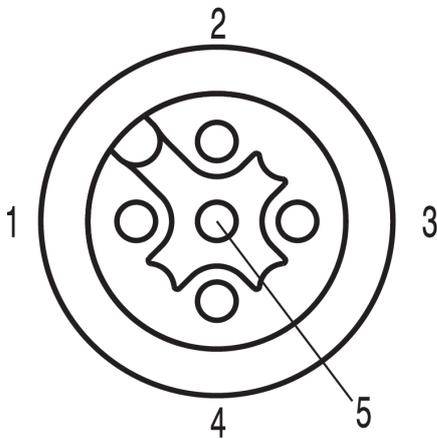
**Dimensioned drawing**



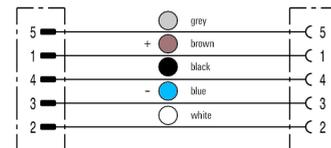
**Pole scheme**



**Pole scheme**



**Wiring diagram**



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**The ideal tool: Screwty<sup>®</sup> with torque function**

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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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