

## SAIL-M12GM12W-3-6.0V

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

www.weidmueller.com



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.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

### General ordering data

Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 6 m, pin, straight - socket, 90&deg;, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	<a href="#">1925340600</a>
Type	SAIL-M12GM12W-3-6.0V
GTIN (EAN)	4050118234404
Qty.	1 Stück

Erstellungs-Datum May 16, 2023 9:42:58 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Net weight 237 g

### Technical specifications for cable

Cable length	6 m	Colour coding	brown, blue, black
Configurable cable length	Yes	Core cross-section	0.34 mm <sup>2</sup>
Halogen	Yes	Insulation	PVC
Irradiation crosslinked	No	Number of poles	3
Outer cladding in accordance with UL AWM style	2464 (80 °C / 300 V)	Outside diameter	4.9 mm ± 0.2 mm
Resistant to welding beads	No	Sheath material	PVC
Sheathing colour	black	Shielded	No
Suitable for cable carriers	No	Temperature range, moving	-5...80 °C
Temperature range, stationary	-30...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No		

### General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, IP68, when fully mounted, IP65, IP66	Rated current	4 A
Rated voltage	250 V	Shock and vibration proof according to	Section B
Temperature range of housing	-40 ... +85 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, straight - socket, 90&deg;

### Electrical properties

Insulation strength 10<sup>8</sup> Ω      Rated voltage 250 V

### General standards

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

### Standards

Connector standard IEC 61076-2-101      Shock and vibration proof according to Section B

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## Technische Daten

### Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP69
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
	Cable side	right
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP69
	Gender of contact	female contact
	Outlet direction	angled 90°
Housing main material	Plastic	
Shielding available	No	
Plug left	M12, A, IP69, male contact, straight, Plastic, unshielded	
Plug right	M12, A, IP69, female contact, angled 90°, Plastic, unshielded	

### Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd555fbf5cb55

### Approvals

Approvals



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

### Downloads

Product Change Notification	<a href="#">DE - Technische Änderung zu M12 Gewinding mit 6-Kant</a> <a href="#">EN - Technical change to M12 nut with additional hexagonal mounting</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

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**Zeichnungen**

**Dimensioned drawing**

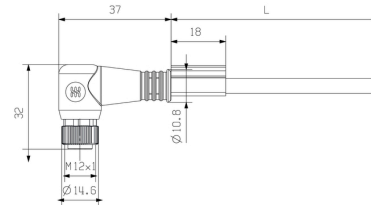


Male, straight

**Pole scheme**

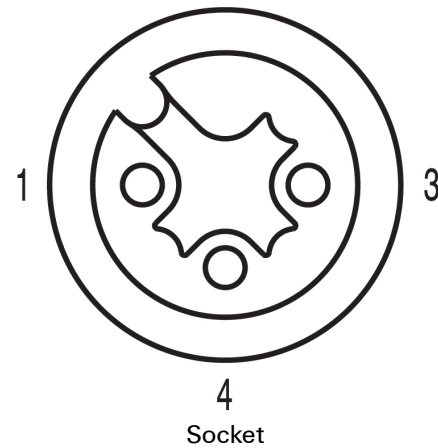


**Dimensioned drawing**



Angled socket

**Pole scheme**



**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