

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, M8 / M12, Number of poles: 3, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1937950300</u>
Туре	SAIL-M8GM12G-3-3.0U
GTIN (EAN)	4032248610365
Qty.	1 pc(s).



Weidmüller Interface GmbH & Co. KG

 $4.1 \text{ mm} \pm 0.2 \text{ mm}$

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Net weight

AWM style

Technical specifications for cable			
Acceleration	5 m/s²	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
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3

69.52 g

20549 (80 °C / 300 V)

Resistance to oils	in accordance with IEC	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL
	60811:404		FT2
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	5 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-2580 °C	Temperature range, stationary	-4080 °C
Torsion resistance	360 °/m	Welding spark resistance	No

Outside diameter

General technical data

Outer cladding in accordance with UL

Coding	A-coded	Connection thread	M8 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68,	Rated current	
	when screwed in, IP69		4 A
Rated voltage	60 V	Temperature range of housing	-25+85 °C
Threaded ring material	Diecast zinc, Brass, nick-	Tightening torque	M8: 0.5 - 0.6 Nm, M12:
	el-plated		0.8 - 1.2 Nm
Version	pin, straight - socket,	jumpered	
	straight		No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	60 V

General standards

Connector standard	IEC 61076-2-101, IEC
	61076-2-104

Standards

Connector standard	IEC 61076-2-101, IEC 61076-2-104
	01070-2-104



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Plug,	left
-------	------

Plug left M8, IP69, male contact, straight, Plastic, unshield-

ed

Plug, right

Plug right M12, A-coded, IP69, female contact, straight,

Plastic, unshielded

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		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
Product Change Notification	DE - Technische Änderung zu M12 Gewindering mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN



Weidmüller Interface GmbH & Co. KG

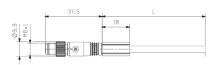
Klingenbergstraße 26 D-32758 Detmold Germany

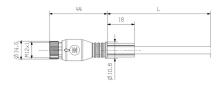
www.weidmueller.com

Drawings

Dimensioned drawing

Dimensioned drawing

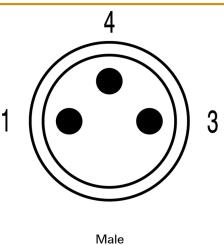




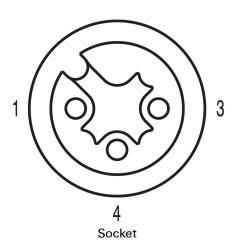
Male, straight

Straight socket

Pole scheme

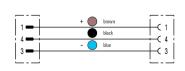


Pole scheme



Wiring diagram

The ideal tool: Screwty ® with torque function





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 192000000 Adapters: M12, M12 F, M8, M8 F