

SAIL-M12BG-12S1.5U

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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector, M12, Number of poles : 12, 1.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1424270150
Type	SAIL-M12BG-12S1.5U
GTIN (EAN)	4050118228595
Qty.	1 pc(s).

SAIL-M12BG-12S1.5U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Net weight 80 g

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	1 mill.
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length		Colour coding	black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue
	1.5 m	Core cross-section	0.14 mm ²
Configurable cable length	No	Halogen	No
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Irradiation crosslinked	No
Insulation	PP	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Number of poles	12	Sheathing colour	black
Sheath material	PUR	Speed	100 m/min
Shielded	Yes	Temperature range, moving	-30...90 °C
Suitable for cable carriers	Yes	Torsion resistance	0 °/m
Temperature range, stationary	-40...90 °C		
Wire cross section (Print/Online)	0.25 (8-pole)/ 0.14 (12-pole)		

General technical data

AF size	13 mm	Coding	A
Connection thread	M12	Contact surface	Gold-plated
Housing main material	TPU	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP66, IP67, when screwed in
	3	Rated voltage	30 V
Rated current	1.5 A	Threaded ring material	Diecast zinc
Temperature range of housing	-40 ... +85 °C	Version	Female socket, straight
Tightening torque	M12: 0.8 - 1.2 Nm		
jumpered	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated current	2 A (8-pole) / 1.5 A (12-pole)
Rated voltage	30 V		

General standards

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

Standards

Connector standard IEC 61076-2-101

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

Creation date March 16, 2023 4:26:32 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

SAIL-M12BG-12S1.5U

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

www.weidmueller.com

Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals



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

Downloads

Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

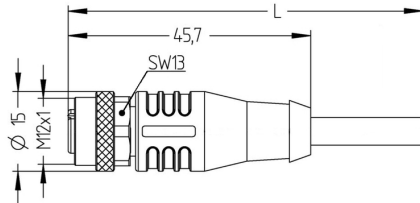
SAIL-M12BG-12S1.5U

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

www.weidmueller.com

Drawings

Dimensioned drawing



Pole scheme



Socket

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