Weidmüller

SAIL-M12BG-8S10U

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 : 8, 10 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1890521000
Type	SAIL-M12BG-8S10U
GTIN (EAN)	4032248499465
Qty.	1 pc(s).

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SAIL-M12BG-8S10U

Technical data

Dimensions and weights

Net weight	532 g

Environmental Product Compliance

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

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	1 mill.
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	10 m	Colour coding	blue, red, white, brown, green, yellow, grey, pink
Configurable cable length	No	Core cross-section	0.25 mm²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	8
Outer cladding in accordance with UL AWM style	20549 (80 ℃ / 300 V)	Outside diameter	6.3 mm ± 0.2 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	Yes
Speed	100 m/min	Suitable for cable carriers	Yes
Temperature range, moving	-25...80 ℃	Temperature range, stationary	-40...80 ℃
Torsion resistance	360 °/m	Welding spark resistance	No

General technical data

Coding	A	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10^8 Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in, IP65, IP66	Rated current	2 A
Rated voltage	30 V	Temperature range of housing	-40 ... +85 ° C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No

Electrical properties

Insulation strength	10^8 Ω	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

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Technical data

Approvals

Approvals

$\quad$ CE c(UL)us LISTED

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

Downloads

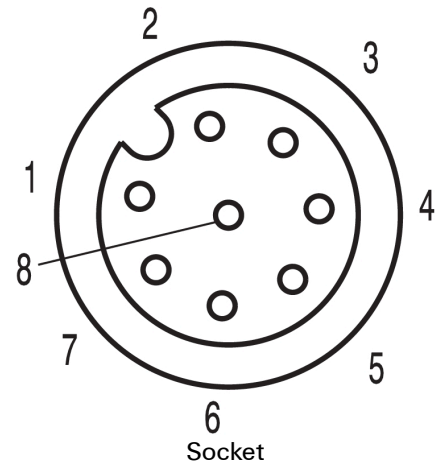|	
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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SAIL-M12BG-8S10U

Drawings

Dimensioned drawing

Pole scheme

Socket

Wiring diagram

1	⚪	white
2	+ 🟤	brown
3	🟢	green
4	🟡	yellow
5	⚪	grey
6	🔵	pink
7	− 🔵	blue
8	🔴	red

SCHIRM/SHIELD

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

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Mouser Electronics

Authorized Distributor

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