

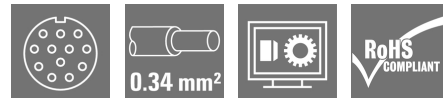
SAIB-M23-12P-AN-20M**Weidmüller Interface GmbH & Co. KG**

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.

The M23 cables offer: high mating frequency, high current carrying capacity and high-density contacts coupled with minimal dimensions.

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, M23, Inner thread, Number of poles: 12, 20 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1877442000
Type	SAIB-M23-12P-AN-20M
GTIN (EAN)	4032248725175
Qty.	1 pc(s).

Creation date March 16, 2023 5:43:41 PM CET

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

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Technical data

Dimensions and weights

Net weight	1,756 g
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Temperatures

Operating temperature, min.	-25 °C	Operating temperature, max.	80 °C
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Technical specifications for cable

Bending cycles	2 Mio	Bending radius, min., moving	10 x cable diameter
Cable length	20 m	Colour coding	white, green, yellow, grey, pink, red, black, violet, blue, brown, Green/yellow
Halogen	No	Insulation	TPM
Irradiation crosslinked	No	Number of poles	12
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	Outside diameter	7.7 mm ± 0.3 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Suitable for cable carriers	Yes	Temperature range, moving	-25...80 °C
Temperature range, stationary	-50...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No	Wire cross section (Print/Online)	3 x 0.75 mm ² + 8 x 0.34 mm ²

General technical data

Connection side version	Connection thread	M23
	Type of contact	Socket
	Type of thread	Inner thread
	Outlet direction	angled
Connection thread	M23, Inner thread	
Contact surface	Gold-plated	
Housing main material	PUR	
Insulation strength	10 ¹² Ω	
LED	No	
Plugging cycles	≥ 50	
Pollution severity	2	
Protection degree	IP67	
Rated current	8 A	
Rated voltage	120 V	
Temperature range of housing	-25...+80 °C	
Threaded ring material	Diecast zinc	
Tightening torque	M23: 2.5 Nm	
Version	Socket, angled	
jumpered	No	

Electrical properties

Insulation strength	10 ¹² Ω	Rated voltage	120 V
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Technical data**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	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals



ROHS	Conform
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Downloads

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

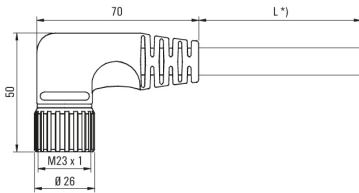
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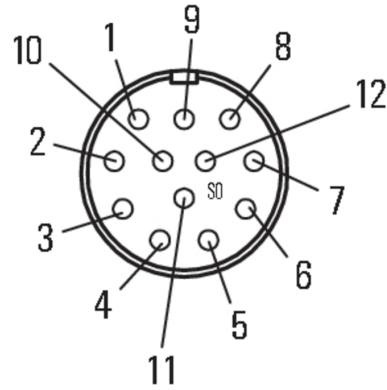
Drawings

Dimensioned drawing



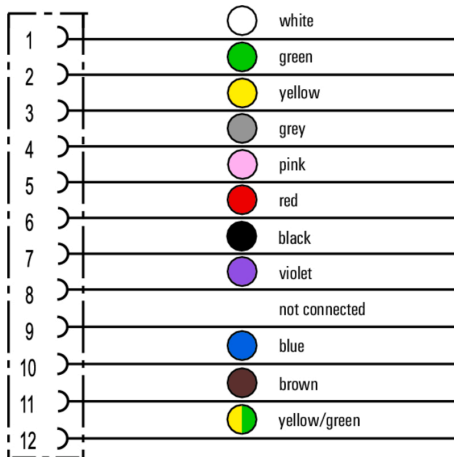
Angled socket

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