

SAIB-M23-19P-AN-5,0M**Weidmüller Interface GmbH & Co. KG**

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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

Type	SAIB-M23-19P-AN-5,0M
Order No.	1818140500
Version	Sensor/actuator line, One end without connector, M23, Number of poles: 19, 5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248473915
Qty.	1 pc(s).

Creation date April 27, 2020 4:08:38 PM CEST

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Technical data

Dimensions and weights

Net weight	704 g
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Temperatures

Operating temperature, max.	80 °C	Operating temperature, min.	-25 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical specifications for cable

Number of poles	19	Wire cross section	12-pole (8x0.34+3x0.75)/19-pole (16x0.34+3x0.75)
Outside diameter	9.1 mm ± 0.3 mm	Cable length	5 m
Shielded	No	Insulation	TPM
Colour coding	violet, red, grey, red / blue, green, blue, grey / pink, white / green, white / yellow, white / grey, black, Green/yellow, Yellow / brown, brown / green, white, yellow, pink, grey / brown, brown	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-25...80 °C	Temperature range, stationary	-50...80 °C
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)
Suitable for cable carriers	Yes	Torsion resistance	0 °/m
Bending radius, min., moving	10 x cable diameter	Bending cycles	2 Mio
Resistant to welding beads	No		

General technical data

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

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11
eClass 10.0	27-06-03-11	UNSPSC	26-12-16-13

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue

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Engineering Data

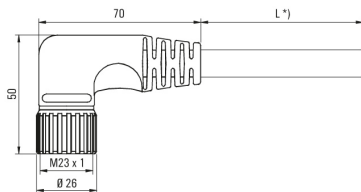
[EPLAN, WSCAD](#)

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Drawings

Dimensioned drawing

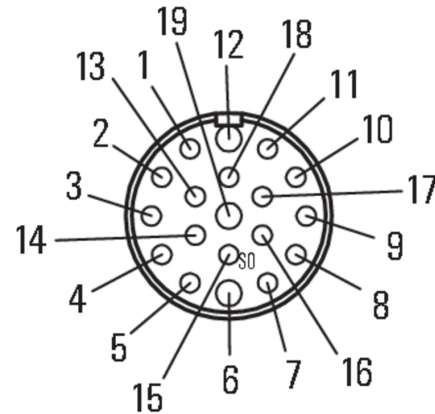


Angled socket

Wiring diagram

1	violet
2	red
3	grey
4	red/blue
5	green
7	grey/pink
8	white/green
9	white/yellow
10	white/grey
11	black
13	yellow/brown
14	brown/green
15	white
16	yellow
17	pink
18	grey/brown
6	- blue
12	green/yellow
19	+ brown

Pole scheme



Socket

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