

SAIB-M23-19P-ST-3,0M**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, Number of poles: 19, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1818180300
Type	SAIB-M23-19P-ST-3,0M
GTIN (EAN)	4032248473878
Qty.	1 pc(s).

Creation date March 25, 2021 1:43:11 PM CET

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Technical data

Dimensions and weights

Net weight	435 g
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Environmental Product Compliance

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

Bending cycles	2 Mio	
Bending radius, min., moving	10 x cable diameter	
Cable length	3 m	
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	
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	
Halogen	No	
Housing main material	PUR	
Insulation	TPM	
Number of poles	19	
Number of poles	19	
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	
Outer diameter	9.1 ± 0.3 mm	
Outside diameter	9.1 mm ± 0.3 mm	
Outside diameter	Diameter	9.1 mm
	Signs	±
	Tolerance	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, moving, max.	80 °C	
Temperature range, moving, min.	-25 °C	
Temperature range, stationary	-50...80 °C	
Temperature range, stationary, max.	80 °C	
Temperature range, stationary, min.	-50 °C	
Torsion resistance	0 °/m	
Wire cross section	12-pole (8x0.34+3x0.75)/19-pole (16x0.34+3x0.75)	

General technical data

Connection side version	Connection side	1
	Connection thread	M23
	Type of contact	Socket
	Type of thread	Inner thread
	Outlet direction	straight
Connection side version 1	M23, Socket, Inner thread, straight	
Connection thread	M23	
Contact surface	Gold-plated	
Housing main material	PUR	
Insulation strength	10 ¹² Ω	
LED	No	
Plugging cycles	≥ 50	
Pollution severity	2	

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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	Female socket, straight
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	ECLASS 11.0	27-06-03-11

Approvals

Approvals



ROHS Conform

Downloads

Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

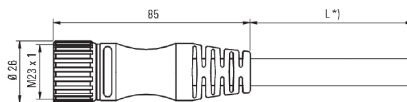
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Drawings

Dimensioned drawing

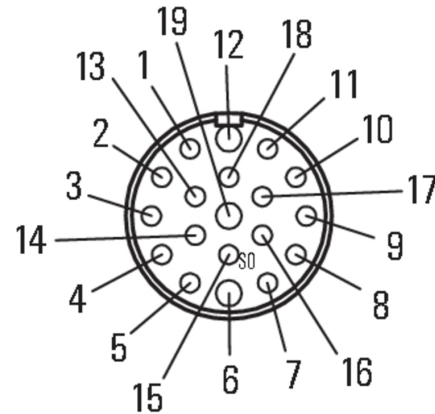


Straight socket

Wiring diagram

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