

SAIB-M23-19P-ST-80M**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, 80 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1818188000
Type	SAIB-M23-19P-ST-80M
GTIN (EAN)	4050118343687
Qty.	1 pc(s).

Creation date March 25, 2021 1:44:15 PM CET

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Technical data

Dimensions and weights

Net weight	8,000 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	80 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

ROHS	Conform
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Downloads

Engineering Data	STEP
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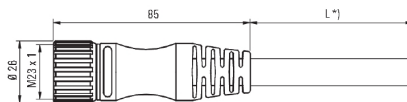
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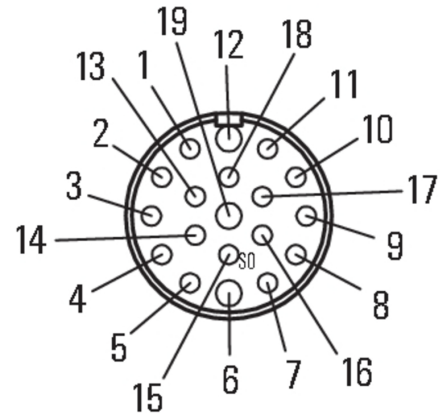
Drawings

Dimensioned drawing



Straight socket

Pole scheme



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

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