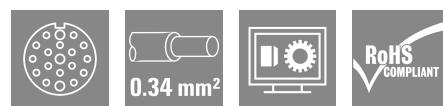


SAIB-M23-19P-ST-15,0M

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, 15 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1818181500
Type	SAIB-M23-19P-ST-15,0M
GTIN (EAN)	4032248526598
Qty.	1 items

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Technical data

Approvals

Approvals



RoHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E486077

Dimensions and weights

Net weight	1672.88 g
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Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	ebf89fc8-a87f-4691-b87a-dfb9921774b4

Technical specifications for cable

Cable length	15 m	Sheathing colour	black
Suitable for cable carriers	Yes	Shielded	No
Halogen	No	Insulation	TPM
Bending radius, min., moving	10 x cable diameter	Bending cycles	2 Mio
Wire cross section (Print/Online)	3 x 0.75 mm ² + 16 x 0.34 mm ²	Sheath material	PUR
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
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	Torsion resistance	0 °/m
Temperature range, stationary	-50...80 °C	Resistant to welding beads	No
Temperature range, moving	-25...80 °C	Number of poles	19
Outside diameter	9.1 mm ± 0.3 mm		

General technical data

Connection thread	M23
Contact surface	Gold-plated
LED	No
Version	Female socket, straight
Housing main material	PUR
Insulation resistance	1012 Ω
Nominal voltage	120 V
Nominal current	8 A
Protection degree	IP67
Plugging cycles	≥ 50
Pollution severity	2
jumpered	No
Connection side version	Connection side
	1

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Technical data

Connection thread	M23
Type of contact	Socket
Type of thread	Inner thread
Outlet direction	straight
Connection side version 1	M23, Socket, Inner thread, straight
Threaded ring material	Diecast zinc
Temperature range of housing	-25...+80 °C
Tightening torque	M23: 2.5 Nm

Electrical properties

Insulation resistance	1012 Ω	Nominal voltage	120 V
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General standards

Certificate No. (cURus)	E486077
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Plug, left

Plug left	IP67, female contact, straight, Plastic, unshielded
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Plug, right

Plug right	free conductor end
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Classifications

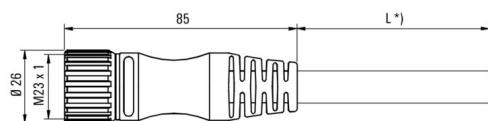
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

SAIB-M23-19P-ST-15,0M

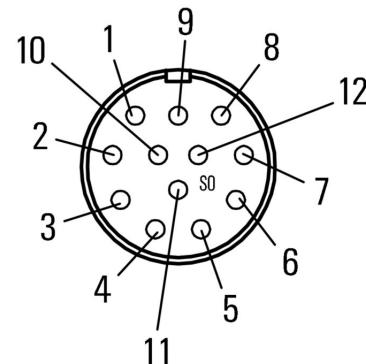
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Drawings

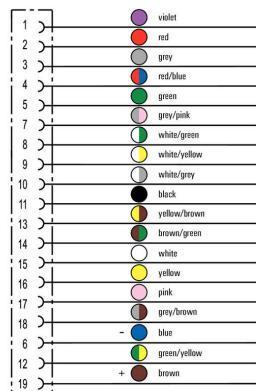
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Dimensioned drawing

Straight 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

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Drawings

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Accessories



General ordering data

Type	SCREWTY M23	Version
Order No.	1981560000	Cable gland tool adapter for M23 lines and connectors
GTIN (EAN)	4032248677702	
Qty.	1 ST	

Screwty® cable gland tool with torque function



The Screwty® attachment is suitable for customisable M23 round plug-in connectors and for overmoulded M23 round plug-in connectors, with an outside dimension of the knurled nut of 26.2 ± 0.3 mm. The tightening torque is 2-2.5 Nm.

General ordering data

Type	1/4" HANDGRIFF	Version
Order No.	4294820000	Bolting tool
GTIN (EAN)	4032248478279	
Qty.	1 ST	