

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, 5 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1818090500</u>
Туре	SAIS-M23-19P-AN-5,0M
GTIN (EAN)	4032248473854
Qty.	1 pc(s).

Creation date October 11, 2022 7:35:17 PM CEST



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Dimensions	and	l weig	hts
------------	-----	--------	-----

Net weight	682 g	

Environmental Product Compliance

REACH SVHC		SCIP	e8d8af70-4c85-4483-
	Lead 7439-92-1		bc8c-9bc5b598e2a9

Technical specifications for cable

Bending cycles	2 Mio	Bending radius, min., moving	10 x cable diameter
Cable length	5 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
Insulation	TPM	Irradiation crosslinked	No
Number of poles		Outer cladding in accordance with UL	
	19	AWM style	21198 (80 °C / 300 V)
Outside diameter	9.1 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	-2580 °C	Temperature range, stationary	-5080 °C
Torsion resistance	0 °/m	Welding spark resistance	No
Wire cross section (Print/Online)	3 x 0.75 mm ² + 16 x 0.34 mm ²		

General technical data

Connection side version	Connection side	1		
	Connection thread	M23		
	Type of contact	Pin		
	Type of thread	External thread		
	Outlet direction	angled		
Connection side version 1	M23, Pin, External thread, angled			
Connection thread	M23			
Contact surface	Gold-plated			
Housing main material	PUR	PUR		
Insulation strength	10 ¹² Ω	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	pin, 90°			
jumpered	No			



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Flact	rical	nror	erties
EIECI	ricai	prop	ei nes

Electrical properties			
Insulation strength	10 ¹² Ω	Rated voltage	120 V
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
Approvals			
Approvals			
	(
ROHS	Conform		
Downloads			
Engineering Data	<u>CAD data – STEP</u>		
Engineering Data	EPLAN, WSCAD		
Catalogues	Catalogues in PDF-for	<u>mat</u>	
Brochures	FL FIELDWIRING EN		



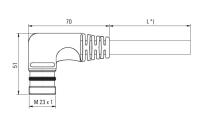
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

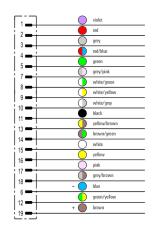
Drawings

Dimensioned drawing

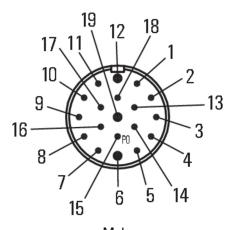


Male, angled

Wiring diagram



Pole scheme



Male

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Weidmuller: 1818090500