

**SAIS-M23-12P-ST-1,0M****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, External thread, Number of poles: 12, 1 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1906280100</a>
Type	SAIS-M23-12P-ST-1,0M
GTIN (EAN)	4032248528776
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E486077

**Dimensions and weights**

Net weight	134.64 g
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**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

**Technical specifications for cable**

Cable length	1 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 <sup>2</sup> + 8 x 0.34 mm <sup>2</sup>	Sheath material	PUR
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	white, green, yellow, grey, pink, red, black, violet, blue, brown, Green/yellow
Torsion resistance	0 °/m	Temperature range, stationary	-50...80 °C
Resistant to welding beads	No	Temperature range, moving	-25...80 °C
Number of poles	12	Outside diameter	7.7 mm ± 0.3 mm

**General technical data**

Connection thread	M23, External thread	
Contact surface	Gold-plated	
LED	No	
Version	pin, 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
	Connection thread	M23
	Type of contact	Pin
	Type of thread	External thread
	Outlet direction	angled

## SAIS-M23-12P-ST-1,0M

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## Technical data

Connection side version 1	M23, Pin, External thread, angled
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, male 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		

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**Drawings**

**Dimensioned drawing**



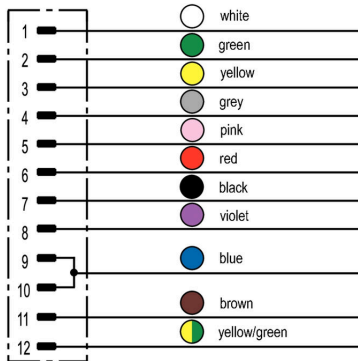
Male, straight

**Pole scheme**



Male

**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

