

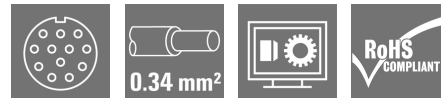
**SAIB-M23-12P-ST-1,0M****Weidmüller Interface GmbH & Co. KG**

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, Inner thread, Number of poles: 12, 1 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1886440100</a>
Type	SAIB-M23-12P-ST-1,0M
GTIN (EAN)	4032248526574
Qty.	1 pc(s).

Creation date March 16, 2023 5:49:35 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Net weight	149 g
------------	-------

## Temperatures

Operating temperature, min.	-25 °C	Operating temperature, max.	80 °C
-----------------------------	--------	-----------------------------	-------

## Technical specifications for cable

Bending cycles	2 Mio	Bending radius, min., moving	10 x cable diameter
Cable length	1 m	Colour coding	white, green, yellow, grey, pink, red, black, violet, blue, brown, Green/yellow
Halogen	No	Insulation	TPM
Irradiation crosslinked	No	Number of poles	12
Outer cladding in accordance with UL AWM style	21198 (80 °C / 300 V)	Outside diameter	7.7 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	-25...80 °C
Temperature range, stationary	-50...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No	Wire cross section (Print/Online)	3 x 0.75 mm <sup>2</sup> + 8 x 0.34 mm <sup>2</sup>

## 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, Inner thread	
Contact surface	Gold-plated	
Housing main material	PUR	
Insulation strength	10 <sup>12</sup> 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	Female socket, straight	
jumpered	No	

## Electrical properties

Insulation strength	10 <sup>12</sup> Ω	Rated voltage	120 V
---------------------	--------------------	---------------	-------

**SAIB-M23-12P-ST-1,0M**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data****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

**Environmental Product Compliance**

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

**Approvals**

Approvals



ROHS	Conform
------	---------

**Downloads**

Engineering Data	<a href="#">WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

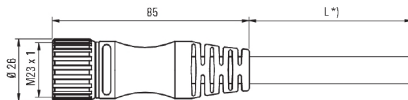
**SAIB-M23-12P-ST-1,0M**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

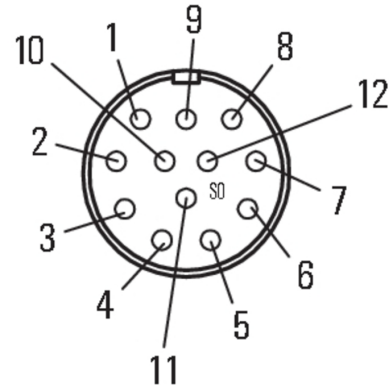
**Drawings**

**Dimensioned drawing**



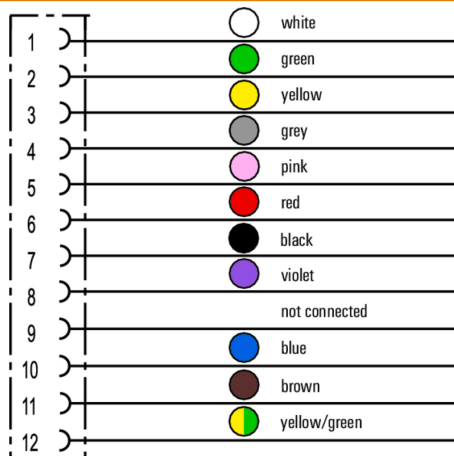
Straight socket

**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