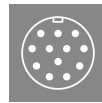


**SAIS-M23-12P-AN-3,0M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 3 m, pin, 90°deg., Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1906290300</a>
Type	SAIS-M23-12P-AN-3,0M
GTIN (EAN)	4032248528998
Qty.	1 items

## SAIS-M23-12P-AN-3,0M

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

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E486077

## Dimensions and weights

Net weight 291.28 g

## 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	3 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, 90&deg;	
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-AN-3,0M

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

[www.weidmueller.com](http://www.weidmueller.com)

## 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
-----------------------	--------	-----------------	-------

## General standards

Certificate No. (cURus)	E486077
-------------------------	---------

## Plug, left

Plug left	IP67, male contact, angled 90°, Plastic, unshielded
-----------	--

## Plug, right

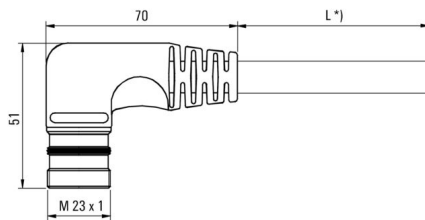
Plug right	free conductor end
------------	--------------------

## 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		

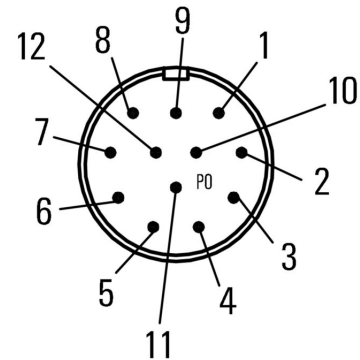
## Drawings

### Dimensioned drawing



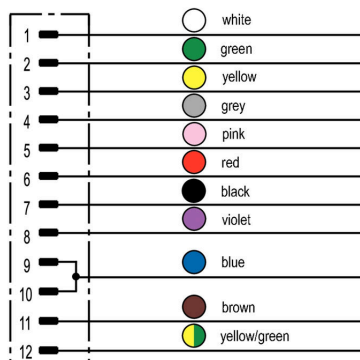
Male, angled

### 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



## SAIS-M23-12P-AN-3,0M

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Screwty for M23 moulded cables and customisable connectors



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  $26.2 \pm 0.3$  mm. The tightening torque is 2-2.5 Nm.

## General ordering data

Type	SCREWTY M23	Version
Order No.	<a href="#">1981560000</a>	Cable gland tool adapter for M23 lines and connectors
GTIN (EAN)	4032248677702	
Qty.	1 ST	

## Screwty® cable gland tool with torque function



The ideal tool for any application  
Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

## General ordering data

Type	1/4" HANDGRIFF	Version
Order No.	<a href="#">4294820000</a>	Bolting tool
GTIN (EAN)	4032248478279	
Qty.	1 ST	