

## SAIL-M23GM23G-GM-19-1.5U

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, Connecting line, M23 / M23, Number of poles: 19, 1.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1541070150</a>
Type	SAIL-M23GM23G-GM-19-1.5U
GTIN (EAN)	4050118459487
Qty.	1 items

## SAIL-M23GM23G-GM-19-1.5U

**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 295 g

### Environmental Product Compliance

RoHS Compliance Status Compliant

REACH SVHC Lead 7439-92-1

SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

### Technical specifications for cable

Cable length	1.5 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> + 16 x 0.34 mm <sup>2</sup>	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 / M23
Contact surface	Gold-plated
LED	No
Version	pin, straight - 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

**SAIL-M23GM23G-GM-19-1.5U**

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

www.weidmueller.com

**Technical data**

	Connection thread	M23
	Type of contact	Socket
	Type of thread	Inner thread
	Outlet direction	straight
	Connection side	2
	Connection thread	M23
	Type of contact	Pin
	Type of thread	External 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	
Connection side version 2	M23, Pin, External thread, straight	
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	M23, IP67, male contact, straight, Plastic, unshielded
-----------	--

**Plug, right**

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

**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		

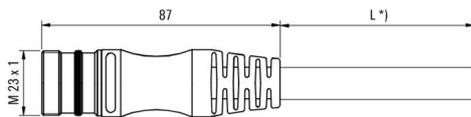
**SAIL-M23GM23G-GM-19-1.5U**

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

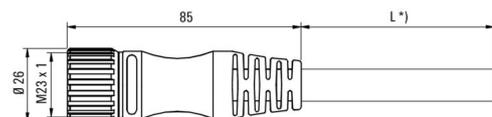
www.weidmueller.com

Drawings

Dimensioned drawing

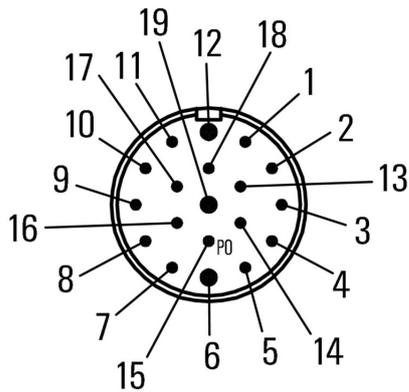


Dimensioned drawing



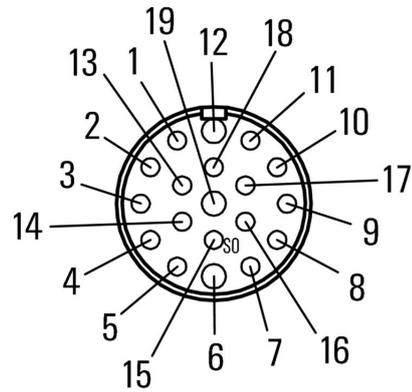
Straight socket

Pole scheme



Male

Pole scheme



Socket

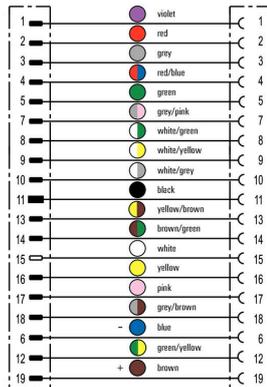
**SAIL-M23GM23G-GM-19-1.5U**

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

www.weidmueller.com

Drawings

**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

## SAIL-M23GM23G-GM-19-1.5U

**Weidmüller Interface GmbH & 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		