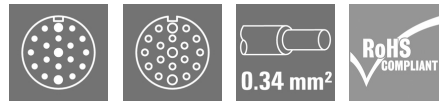


**SAIL-M23GM23G-MM19-15U****Weidmüller Interface GmbH & Co. KG**

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, 15 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1935511500</a>                                                                                                                                              |
| Type       | SAIL-M23GM23G-MM19-15U                                                                                                                                                  |
| GTIN (EAN) | 4050118623475                                                                                                                                                           |
| Qty.       | 1 pc(s).                                                                                                                                                                |

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## Technical data

### Dimensions and weights

Net weight 1,000 g

### Technical specifications for cable

|                                      |                                                      |                                                |                                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bending cycles                       | 2 Mio                                                | Bending radius, min., moving                   | 10 x cable diameter                                                                                                                                                                                |
| Cable length                         | 15 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                      | 19                                                   | Outer cladding in accordance with UL 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            | -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> + 16 x 0.34 mm <sup>2</sup> |                                                |                                                                                                                                                                                                    |

### General technical data

|                              |              |                        |                                  |
|------------------------------|--------------|------------------------|----------------------------------|
| Connection thread            | M23 / M23    | 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                | pin, straight - socket, straight |
| jumpered                     | No           |                        |                                  |

### Electrical properties

Insulation strength 10<sup>12</sup> Ω      Rated 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

Creation date July 5, 2024 2:59:01 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-06-03-11 |

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E486077    |

**Downloads**Catalogues [Catalogues in PDF-format](#)

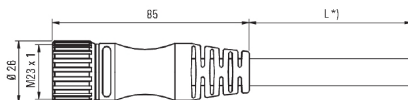
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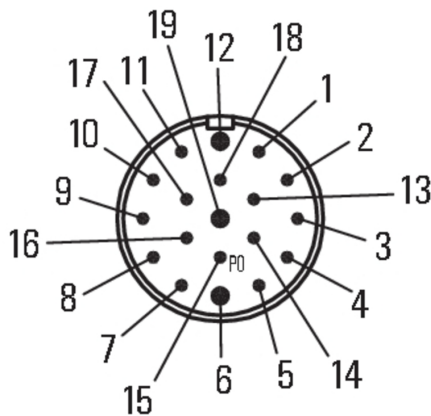
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## Drawings

### Dimensioned drawing

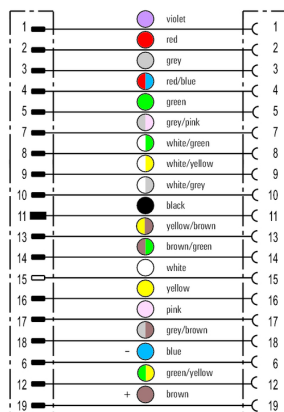


### Pole scheme

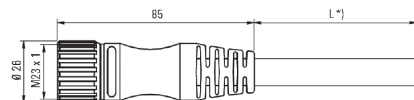


Male

### Wiring diagram

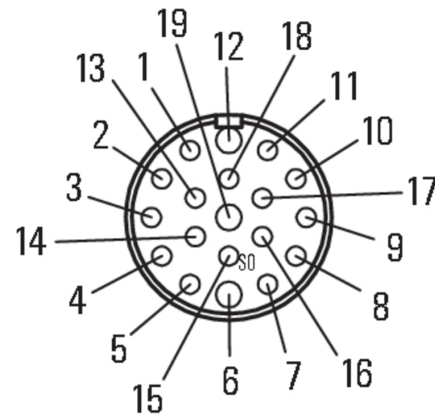


### Dimensioned drawing



Straight socket

### Pole scheme



Socket

### 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

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## Accessories

### 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 pc(s).                   |              |

### 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                                               | Packaging   |
| Order No.  | <a href="#">1981560000</a> | Cable gland tool adapter for M23 lines and connectors | Plastic bag |
| GTIN (EAN) | 4032248677702              |                                                       |             |
| Qty.       | 1 pc(s).                   |                                                       |             |