

**SAIL-M12GM12G-TS-10U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

**General ordering data**

|            |                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M12 / M12, Number of poles : 4, 10 m, Male pin, straight - Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2490241000</a>                                                                                                                                          |
| Type       | SAIL-M12GM12G-TS-10U                                                                                                                                                |
| GTIN (EAN) | 4050118581652                                                                                                                                                       |
| Qty.       | 1 pc(s).                                                                                                                                                            |

**SAIL-M12GM12G-TS-10U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 500 g |
|------------|-------|

**Technical specifications for cable**

|                               |                      |                                  |                           |
|-------------------------------|----------------------|----------------------------------|---------------------------|
| Acceleration                  | 50 m/s <sup>2</sup>  | Bending cycles                   | 10 Mio                    |
| Bending radius, min., moving  | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter        |
| Cable length                  | 10 m                 | Colour coding                    | brown, white, blue, black |
| Configurable cable length     | No                   | Core cross-section               | 1.5 mm <sup>2</sup>       |
| Halogen                       | No                   | Insulation                       | TPE                       |
| Irradiation crosslinked       | No                   | Number of poles                  | 4                         |
| Resistant to welding beads    | Yes                  | Sheath material                  | PUR                       |
| Sheathing colour              | black                | Shielded                         | Yes                       |
| Suitable for cable carriers   | Yes                  | Temperature range, moving        | -30...80 °C               |
| Temperature range, stationary | -40...80 °C          | Welding spark resistance         | No                        |

**General technical data**

|                        |                                              |                              |                   |
|------------------------|----------------------------------------------|------------------------------|-------------------|
| Coding                 | T-coded                                      | Connection thread            | M12 / M12         |
| Contact surface        | Gold-plated                                  | Housing main material        | PUR               |
| Insulation strength    | 10 <sup>8</sup> Ω                            | LED                          | No                |
| Plugging cycles        | ≥ 100 (M12)                                  | Pollution severity           | 3                 |
| Protection degree      | IP65, IP67                                   | Rated current                | 12 A              |
| Rated voltage          | 60 V                                         | Temperature range of housing | -40 ... +85 °C    |
| Threaded ring material | Nickel-plated CuZn                           | Tightening torque            | M12: 0.8 - 1.2 Nm |
| Version                | Male pin, straight - Female socket, straight |                              |                   |

**Electrical properties**

|                     |                   |               |      |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 60 V |
|---------------------|-------------------|---------------|------|

**General standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-111 |
|--------------------|-----------------|

**Standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-111 |
|--------------------|-----------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

**Environmental Product Compliance**

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

Creation date June 13, 2025 7:42:30 AM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

## SAIL-M12GM12G-TS-10U

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

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

# Technical data

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/)

ROHS

Conform

## Downloads

Catalogues

[Catalogues in PDF-format](#)

## SAIL-M12GM12G-TS-10U

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

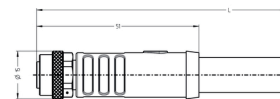
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

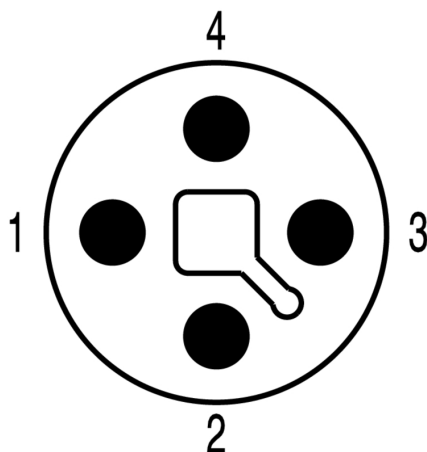
### Dimensioned drawing



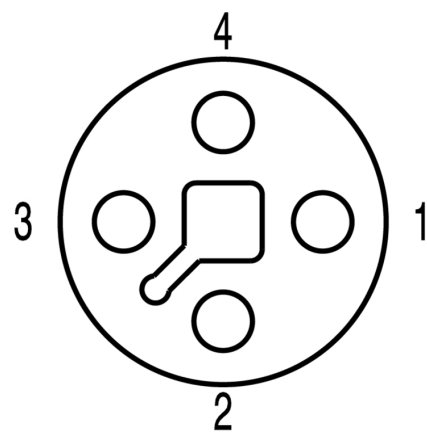
### Dimensioned drawing



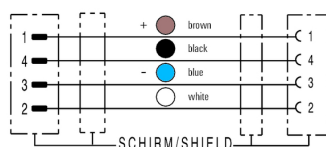
### Pole scheme



### Pole scheme



### Wiring diagram



### The ideal tool: Screwty® with torque function

