

## SAIS-M23-12P-AN-1,0M

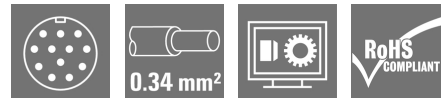
**Weidmüller Interface GmbH & Co. KG**

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, 1 m, pin, 90&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1906290100</a>  |
| Type       | SAIS-M23-12P-AN-1,0M  |
| GTIN (EAN) | 4032248528837   |
| Qty.       | 1 pc(s).  |

Creation date March 16, 2023 5:59:15 PM CET

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

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## Technical data

## Dimensions and weights

Net weight 170 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                   | Pin             |
|                              | Type of thread                    | External thread |
|                              | Outlet direction                  | angled          |
| Connection side version 1    | M23, Pin, External thread, angled |                 |
| Connection thread            | M23, External 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                      | pin, 90&deg;                      |                 |
| jumpered                     | No                                |                 |

## Electrical properties

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

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### 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

### 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><br><a href="#">FL FIELDWIRING EN</a> |

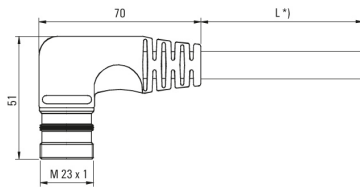
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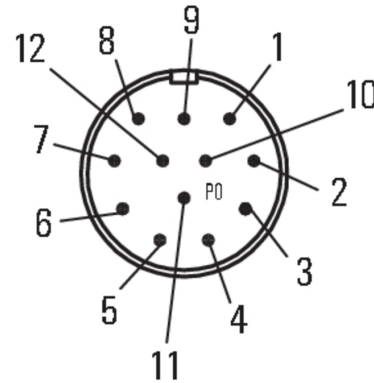
Drawings

**Dimensioned drawing**



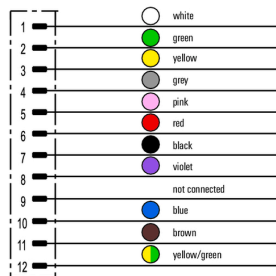
Male, angled

**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