

**SAIP-M12BG-4-1.5V****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.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

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, M12, Number of poles : 4, 1.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1465960150</a>                                                                                                                                           |
| Type       | SAIP-M12BG-4-1.5V                                                                                                                                                    |
| GTIN (EAN) | 4050118274486                                                                                                                                                        |
| Qty.       | 1 pc(s).                                                                                                                                                             |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 75 g |
|------------|------|

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Technical specifications for cable

|                                                |                           |        |
|------------------------------------------------|---------------------------|--------|
| Cable length                                   | 1.5 m                     |        |
| Colour coding                                  | brown, white, blue, black |        |
| Configurable cable length                      | No                        |        |
| Core cross-section                             | 0.34 mm²                  |        |
| Halogen                                        | Yes                       |        |
| Housing main material                          | PUR                       |        |
| Insulation                                     | PVC                       |        |
| Number of poles                                | 4                         |        |
| Number of poles                                | 4                         |        |
| Outer cladding in accordance with UL AWM style | 2464 (80 °C / 300 V)      |        |
| Outer diameter                                 | 5.3 ± 0.2 mm              |        |
| Outside diameter                               | Diameter                  | 5.3 mm |
|                                                | Signs                     | ±      |
|                                                | Tolerance                 | 0.2 mm |
| Outside diameter                               | 5.3 mm ± 0.2 mm           |        |
| Resistant to welding beads                     | No                        |        |
| Sheath material                                | PVC                       |        |
| Sheathing colour                               | black                     |        |
| Shielded                                       | No                        |        |
| Suitable for cable carriers                    | No                        |        |
| Temperature range, moving                      | -5...80 °C                |        |
| Temperature range, moving, max.                | 80 °C                     |        |
| Temperature range, moving, min.                | -5 °C                     |        |
| Temperature range, stationary                  | -30...80 °C               |        |
| Temperature range, stationary, max.            | 80 °C                     |        |
| Temperature range, stationary, min.            | -30 °C                    |        |
| Torsion resistance                             | 0 °/m                     |        |

## General technical data

|                              |                   |                        |                                         |
|------------------------------|-------------------|------------------------|-----------------------------------------|
| AF size                      | 12 mm             | Coding                 | A                                       |
| Connection thread            | M12               | Contact surface        | Gold-plated                             |
| Housing main material        | PUR               | Insulation strength    | 10 <sup>8</sup> Ω                       |
| LED                          | No                | Plugging cycles        | ≥ 100                                   |
| Pollution severity           | 3                 | Protection degree      | IP65, IP66, IP67, IP68, when screwed in |
| Rated current                | 4 A               | Rated voltage          | 250 V                                   |
| Temperature range of housing | -25...+80 °C      | Threaded ring material | Plastic                                 |
| Tightening torque            | M12: 0.8 - 1.2 Nm | Version                | Female socket, straight                 |
| jumpered                     | No                |                        |                                         |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | 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 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

**Downloads**

|                  |                              |
|------------------|------------------------------|
| Engineering Data | <a href="#">EPLAN, WSCAD</a> |
|------------------|------------------------------|

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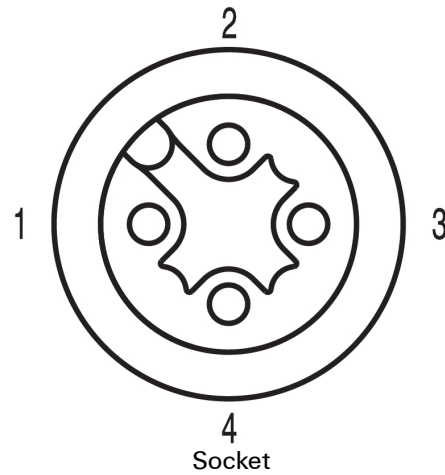
## Drawings

### Dimensioned drawing



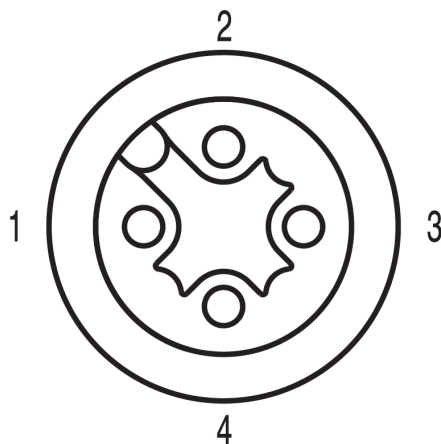
Straight socket

### Pole scheme



Socket

### Wiring diagram



### The ideal tool: Screwty<sup>®</sup> 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