

**SAIL-M12W-L-5.0PGR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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, One end without connector, M12, Number of poles : 5, 5 m, pin, 90°; Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2455240500</a>                                                                                                                         |
| Type       | SAIL-M12W-L-5.0PGR                                                                                                                                 |
| GTIN (EAN) | 4050118470222                                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                                           |

Creation date June 15, 2024 5:50:24 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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

|            |       |
|------------|-------|
| Net weight | 300 g |
|------------|-------|

**Technical specifications for cable**

|                                                |                       |                                  |                                 |
|------------------------------------------------|-----------------------|----------------------------------|---------------------------------|
| Acceleration                                   | 5 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                                   | 5 m                   | Colour coding                    | brown, white, blue, black, grey |
| Configurable cable length                      | No                    | Core cross-section               | 1.5 mm <sup>2</sup>             |
| Halogen                                        | No                    | Insulation                       | PP                              |
| Irradiation crosslinked                        | No                    | Number of poles                  | 5                               |
| Outer cladding in accordance with UL AWM style | 20939 (80 °C / 600 V) | Outside diameter                 | 8 mm ± 0.2 mm                   |
| Resistant to welding beads                     | No                    | Sheath material                  | PUR                             |
| Sheathing colour                               | grey                  | Shielded                         | No                              |
| Speed                                          | 5 m/s                 | 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              | L-coded                     | 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, IP67, when screwed in | Rated current                | 16 A           |
| Rated voltage       | 50 V                        | Temperature range of housing | -40 ... +85 °C |
| Tightening torque   | M12: 0.8 - 1.2 Nm           | Version                      | pin, 90°       |
| jumpered            | No                          |                              |                |

**Electrical properties**

|                     |                   |               |      |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 50 V |
|---------------------|-------------------|---------------|------|

**General standards**

|                         |         |                    |                 |
|-------------------------|---------|--------------------|-----------------|
| Certificate no. (cULus) | E257571 | Connector standard | IEC 61076-2-111 |
|-------------------------|---------|--------------------|-----------------|

**Standards**

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

**Plug, left**

|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| Plug left | M12, L-coded, IP67, male contact, angled 90°, Plastic, unshielded |
|-----------|-------------------------------------------------------------------|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

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

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E257571    |

**Downloads**

|                             |                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                        |
| Product Change Notification | <a href="#">PCN-PB46-20200713-00-A de</a><br><a href="#">PCN-PB46-20200713-00-A en</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                               |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a>                                                      |

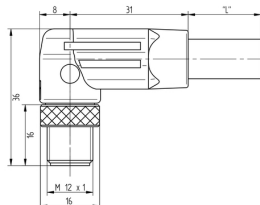
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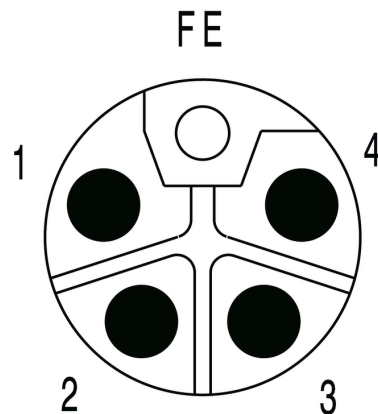
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## Drawings

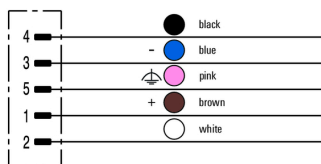
## Dimensioned drawing



## Pole scheme



### Wiring diagram



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

