

**SAIL-M12WM12W-L-3.0PGR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Connecting line, M12 / M12, Number of poles : 5, 3 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2455300300</a>  |
| Type       | SAIL-M12WM12W-L-3.0PGR  |
| GTIN (EAN) | 4050118470451   |
| Qty.       | 1 items   |

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**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E257571

**Dimensions and weights**

Net weight 200 g

**Environmental Product Compliance**

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

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

**Technical specifications for cable**

|  |                       |                                  |                                 |
|--|-----------------------|----------------------------------|---------------------------------|
| Cable length                                   | 3 m                   | Sheathing colour                 | grey                            |
| Suitable for cable carriers                    | Yes                   | Core cross-section               | 1.5 mm <sup>2</sup>             |
| Shielded                                       | No                    | Halogen                          | No                              |
| Insulation                                     | PP                    | Acceleration                     | 5 m/s <sup>2</sup>              |
| Bending radius, min., moving                   | 7.5 x cable diameter  | Bending radius, min., stationary | 4 x cable diameter              |
| Bending cycles                                 | 10 Mio                | Speed                            | 5 m/s                           |
| Sheath material                                | PUR                   | Configurable cable length        | No                              |
| Outer cladding in accordance with UL AWM style | 20939 (80 °C / 600 V) | Irradiation crosslinked          | No                              |
| Welding spark resistance                       | No                    | Colour coding                    | brown, white, blue, black, pink |
| Temperature range, stationary                  | -40...80 °C           | Resistant to welding beads       | No                              |
| Temperature range, moving                      | -30...80 °C           | Number of poles                  | 5                               |
| Outside diameter                               | 8 mm ± 0.2 mm         |                                  |                                 |

**General technical data**

|                       |                       |                              |                             |
|-----------------------|-----------------------|------------------------------|-----------------------------|
| Coding                | L-coded               | Connection thread            | M12 / M12                   |
| Contact surface       | Gold-plated           | LED                          | No                          |
| Version               | pin, 90° - socket 90° | Housing main material        | PUR                         |
| Insulation resistance | 108 Ω                 | Nominal voltage              | 50 V                        |
| Nominal current       | 16 A                  | Protection degree            | IP65, IP67, when screwed in |
| Plugging cycles       | ≤ 100                 | Pollution severity           | 3                           |
| jumpered              | No                    | Temperature range of housing | -40 ... +85 °C              |
| Tightening torque     | M12: 0.8 - 1.2 Nm     |                              |                             |

**Electrical properties**

Insulation resistance 108 Ω      Nominal voltage 50 V

**General standards**

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

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**Technical data**

**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 M12, L-coded, IP67,  
 female contact, angled  
 90°, Plastic, unshielded

**Classifications**

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

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**Drawings**

**Dimensioned drawing**



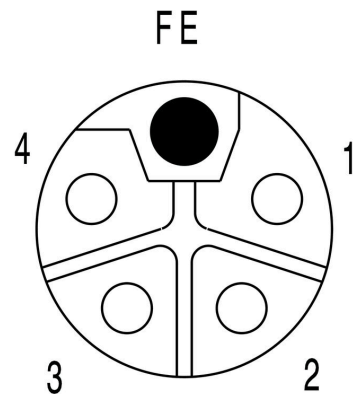
**Dimensioned drawing**



**Pole scheme**



**Pole scheme**



**Wiring diagram**



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

