

**SAIL-M12WM12G-K-3.0P****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    | Power cable, Connecting line, M12 / M12, Number of poles : 5 (4 + PE), 3 m, pin, angled - bush straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2455310300</a>                                                                                                                                        |
| Type       | SAIL-M12WM12G-K-3.0P                                                                                                                                              |
| GTIN (EAN) | 4050118470499                                                                                                                                                     |
| Qty.       | 1 pc(s).                                                                                                                                                          |

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

|            |       |
|------------|-------|
| Net weight | 200 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                                   |                       | Colour coding                    | Green/yellow, black (1), black (2), black (3), black (4) |
|                                                | 3 m                   | Core cross-section               | 1.5 mm <sup>2</sup>                                      |
| Configurable cable length                      | No                    | Insulation                       | PP                                                       |
| Halogen                                        | No                    | Number of poles                  | 5 (4 + PE)                                               |
| Irradiation crosslinked                        | No                    | Outside diameter                 | 8 mm ± 0.2 mm                                            |
| Outer cladding in accordance with UL AWM style | 20939 (80 °C / 600 V) | Resistant to welding beads       | No                                                       |
| PE function                                    | Yes                   | Sheathing colour                 | black                                                    |
| Sheath material                                | PUR                   | Speed                            | 5 m/s                                                    |
| Shielded                                       | No                    | Temperature range, moving        | -30...80 °C                                              |
| Suitable for cable carriers                    | Yes                   | Welding spark resistance         | No                                                       |
| Temperature range, stationary                  | -40...80 °C           |                                  |                                                          |

**General technical data**

|                     |                             |                              |                             |
|---------------------|-----------------------------|------------------------------|-----------------------------|
| Coding              | K-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                       | Pollution severity           | 3                           |
| Protection degree   | IP65, IP67, when screwed in | Rated current                | 12 A                        |
| Rated voltage       | 600 V                       | Temperature range of housing | -40 ... +85 °C              |
| Tightening torque   | M12: 0.8 - 1.2 Nm           | Version                      | pin, angled - bush straight |
| jumped              | No                          |                              |                             |

**Electrical properties**

|                     |                   |               |       |
|---------------------|-------------------|---------------|-------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 600 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, K-coded, IP67, male contact, angled 90°, Plastic, unshielded |
|-----------|-------------------------------------------------------------------|

**Plug, right**

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| Plug right | M12, K-coded, IP67, female contact, straight, Plastic, unshielded |
|------------|-------------------------------------------------------------------|

Creation date May 11, 2025 9:11:39 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |

**Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
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|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E257571    |

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

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## Drawings

