

**SAIL-M12GM8W-3L-2.5TOV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|            |                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M12 / M8, Number of poles : 3, 2.5 m, Connecting line, Shielded: No, LED: Yes, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2812950250</a>                                                                                                             |
| Type       | SAIL-M12GM8W-3L-2.5TOV                                                                                                                 |
| GTIN (EAN) | 4064675341673                                                                                                                          |
| Qty.       | 1 pc(s).                                                                                                                               |

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

|            |       |
|------------|-------|
| Net weight | 120 g |
|------------|-------|

**Technical specifications for cable**

|                                      |                       |                                                |                       |
|--------------------------------------|-----------------------|------------------------------------------------|-----------------------|
| Bending cycles                       | 12 Mio                | Bending radius, min., moving                   | 10 x cable diameter   |
| Bending radius, min., stationary     | 5 x cable diameter    | Cable length                                   | 2.5 m                 |
| Colour coding                        | brown, blue, black    | Core cross-section                             | 0.34 mm <sup>2</sup>  |
| Core in accordance with UL AWM style | 10995 (80 °C / 300 V) | Halogen                                        | No                    |
| Irradiation crosslinked              | No                    | LABS-free                                      | Yes                   |
| Number of poles                      | 3                     | Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) |
| Outside diameter                     | 4.5 mm ± 0.2 mm       | Resistant to welding beads                     | Yes                   |
| Sheath material                      | PUR                   | Sheathing colour                               | orange                |
| Shielded                             | No                    | Speed                                          | 5 m/s                 |
| Suitable for cable carriers          | Yes                   | Temperature range, moving                      | -25...80 °C           |
| Temperature range, stationary        | -40...80 °C           | Torsion resistance                             | 360 °/m               |
| Welding spark resistance             | Yes                   |                                                |                       |

**General technical data**

|                              |                 |                        |                                         |
|------------------------------|-----------------|------------------------|-----------------------------------------|
| AF size                      | 12 mm           | Coding                 | A-coded                                 |
| Connection thread            | M12 / M8        | Contact surface        | Gold-plated                             |
| Housing main material        | PUR             | LED                    | Yes                                     |
| Pollution severity           | 3               | Protection degree      | IP65, IP66, IP67, IP68, when screwed in |
| Rated current                | 4 A             | Rated voltage          | 24 V                                    |
| Temperature range of housing | -25...+85 °C    | Threaded ring material | Diecast zinc                            |
| Version                      | Connecting line |                        |                                         |

**Electrical properties**

|               |      |
|---------------|------|
| Rated voltage | 24 V |
|---------------|------|

**Plug, left**

|           |                                                     |
|-----------|-----------------------------------------------------|
| Plug left | M12, A-coded, IP68, male contact, straight, Plastic |
|-----------|-----------------------------------------------------|

**Plug, right**

|            |                                                             |
|------------|-------------------------------------------------------------|
| Plug right | M8, A-coded, IP68, female contact, angled 90°, Plastic, LED |
|------------|-------------------------------------------------------------|

**Classifications**

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

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|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | bd63baef-8092-4596-90c7-5b4daa22710b |

**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_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

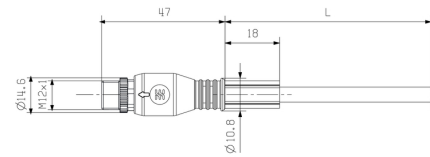
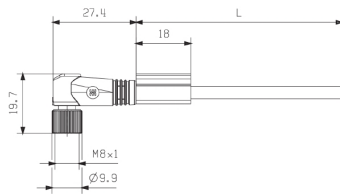
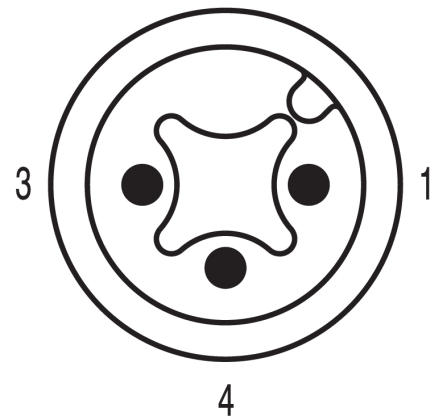
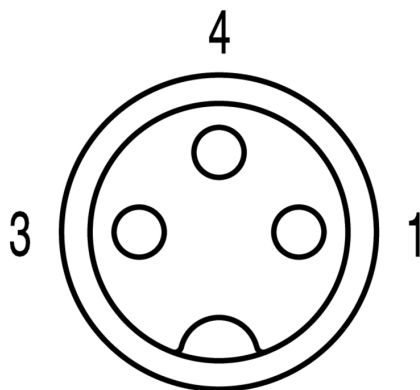
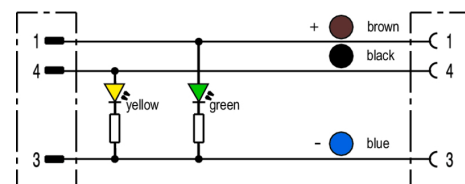
|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|------------------------------------------|

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**Drawings**
**Detailed drawing**

**Dimensioned drawing**

**Dimensioned drawing**

**Pole scheme**

**Pole scheme**

**Wiring diagram**


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## Drawings

### 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