

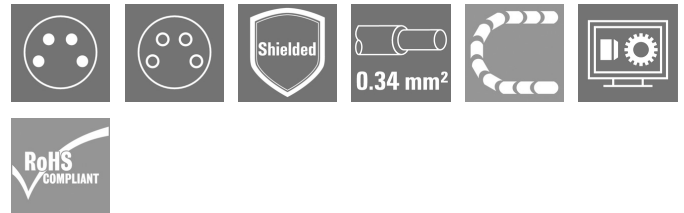
**SAIL-M8GM8G-4S-1.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, Connecting line, M8 / M8, Number of poles: 4, 1 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1981900100</a>                                                                                                                               |
| Type       | SAIL-M8GM8G-4S-1.0U                                                                                                                                      |
| GTIN (EAN) | 4032248726875                                                                                                                                            |
| Qty.       | 1 pc(s).                                                                                                                                                 |

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

|            |      |
|------------|------|
| Net weight | 51 g |
|------------|------|

**Technical specifications for cable**

|                                                |                       |                                  |                           |
|------------------------------------------------|-----------------------|----------------------------------|---------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>    | Bending cycles                   | 250.000                   |
| Bending radius, min., moving                   | 12 x cable diameter   | Bending radius, min., stationary | 5 x cable diameter        |
| Cable length                                   | 1 m                   | Colour coding                    | brown, white, blue, black |
| Configurable cable length                      | No                    | Core cross-section               | 0.34 mm <sup>2</sup>      |
| Core in accordance with UL AWM style           | 10493 (80 °C / 300 V) | Halogen                          | No                        |
| Hybrid cable                                   | No                    | Insulation                       | PP                        |
| Irradiation crosslinked                        | No                    | Number of poles                  | 4                         |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Outside diameter                 | 5.1 mm ± 0.2 mm           |
| Resistant to welding beads                     | No                    | Sheath material                  | PUR                       |
| Sheathing colour                               | black                 | Shielded                         | Yes                       |
| Speed                                          | 100 m/s               | Suitable for cable carriers      | Yes                       |
| Temperature range, moving                      | -30...90 °C           | Temperature range, stationary    | -40...90 °C               |
| Torsion resistance                             | 360 °/m               | Welding spark resistance         | No                        |

**General technical data**

|                        |                                  |                              |                  |
|------------------------|----------------------------------|------------------------------|------------------|
| Coding                 | none                             | Connection thread            | M8 / M8          |
| 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      | IP67                             | Rated current                | 4 A              |
| Rated voltage          | 30 V                             | Temperature range of housing | -25...+80 °C     |
| Threaded ring material | Brass, nickel-plated             | Tightening torque            | M8: 0.5 - 0.6 Nm |
| Version                | pin, straight - socket, straight | jumpered                     | No               |

**Electrical properties**

|                     |                   |               |      |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 30 V |
|---------------------|-------------------|---------------|------|

**Plug, left**

|           |                                                       |
|-----------|-------------------------------------------------------|
| Plug left | M8, IP67, male contact, straight, Plastic, unshielded |
|-----------|-------------------------------------------------------|

**Plug, right**

|            |                                                         |
|------------|---------------------------------------------------------|
| Plug right | M8, IP67, female contact, straight, Plastic, unshielded |
|------------|---------------------------------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ECLASS 9.0  | 27-06-03-08 | ECLASS 9.1  | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |
| ECLASS 12.0 | 27-06-03-08 | ECLASS 13.0 | 27-06-03-08 |
| ECLASS 14.0 | 27-06-03-08 |             |             |

Creation date April 25, 2025 8:35:42 AM CEST

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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 |

**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>                               |
| Brochures  | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

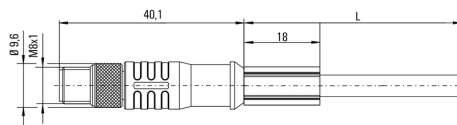
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## Drawings

### Dimensioned drawing



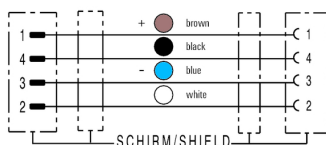
Male, straight

### Pole scheme

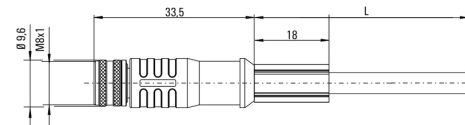


Pin

### Wiring diagram

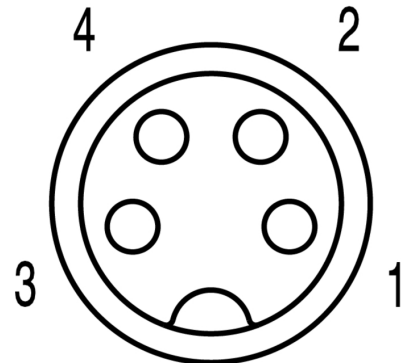


### Dimensioned drawing



Straight socket

### Pole scheme



Socket

### The ideal tool: Screwty® 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