

## SAIL-M8GM8SG-4S4.5UIE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 4.5 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1160930450</a>  |
| Type       | SAIL-M8GM8SG-4S4.5UIE   |
| GTIN (EAN) | 4050118119237   |
| Qty.       | 1 pc(s).  |

Creation date March 13, 2023 12:08:53 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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

Net weight 151 g

**Technical specifications for cable**

|                              |                      |  |  |
|------------------------------|----------------------|--|--|
| Acceleration                 | 5 m/s <sup>2</sup>   | Bending cycles                                 | 5 Mio                                      |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary               | 4 x cable diameter                         |
| Cable length                 | 4.5 m                | Colour coding                                  | blue, orange, white / blue, white / orange |
| Configurable cable length    | No                   | Core cross-section                             | 0.15 mm <sup>2</sup>                       |
| Halogen                      | No                   | Hybrid cable                                   | No   |
| Insulation                   | PP                   | Irradiation crosslinked                        | No   |
| Number of poles              | 4                    | Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V)                       |
| Outside diameter             | 4.8 mm ± 0.3 mm      | Resistant to welding beads                     | No   |
| Sheath material              | PUR                  | Sheathing colour                               | green                                      |
| Shielded                     | Yes                  | Speed  | 180 m/min                                  |
| Suitable for cable carriers  | Yes                  | Temperature range, stationary                  | -40...80 °C                                |
| Welding spark resistance     | No                   |  |  |

**General technical data**

|                              |                  |                        |                                 |
|------------------------------|------------------|------------------------|---------------------------------|
| Coding                       | none             | Connection thread      | M8 / M8                         |
| Contact surface              | Gold-plated      | Housing main material  | PUR                             |
| 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                | Male, straight - male, straight |
| jumpered                     | No               |                        |                                 |

**Electrical properties**

Rated voltage 30 V

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | 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 |

**Environmental Product Compliance**

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

**Approvals**

Approvals



ROHS Conform

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**Data sheet****SAIL-M8GM8SG-4S4.5UIE****Weidmüller Interface GmbH & Co. KG**  
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|                  |  |
|------------------|--|
| Engineering Data | <a href="#">WSCAD</a>                    |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

**SAIL-M8GM8SG-4S4.5UIE**

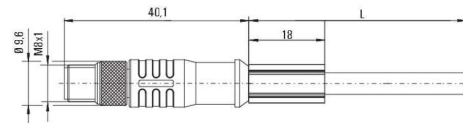
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Drawings

Dimensioned drawing

Dimensioned drawing

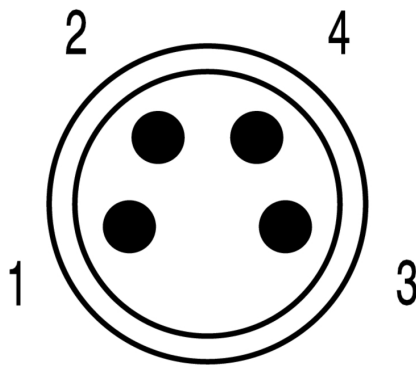


Male, straight

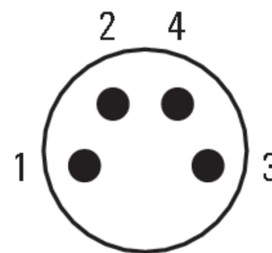
Male, straight

Pole scheme

Pole scheme



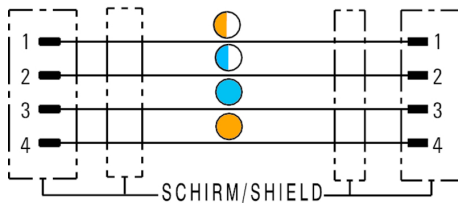
Pin



Male connector

Wiring diagram

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