

**SAIL-M8GM8G-4S-0.50U**

**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™, Ether-CAT and Ethernet.

**General ordering data**

|            |  |
|------------|--|
| Version    | Bus line, Connecting line, M8 / M8, Number of poles: 4, 0.5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1981900050</a>   |
| Type       | SAIL-M8GM8G-4S-0.50U   |
| GTIN (EAN) | 4032248753635  |
| Qty.       | 1 items  |

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Net weight 31 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                                   | 0.5 m                 | Sheathing colour                     | black                     |
| Suitable for cable carriers                    | Yes                   | Core cross-section                   | 0.34 mm <sup>2</sup>      |
| Shielded                                       | Yes                   | Halogen                              | No                        |
| Insulation                                     | PP                    | Acceleration                         | 5 m/s <sup>2</sup>        |
| Bending radius, min., moving                   | 12 x cable diameter   | Bending radius, min., stationary     | 5 x cable diameter        |
| Bending cycles                                 | 250.000               | Speed                                | 100 m/s                   |
| Sheath material                                | PUR                   | Configurable cable length            | No                        |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Core in accordance with UL AWM style | 10493 (80 °C / 300 V)     |
| Hybrid cable                                   | No                    | Irradiation crosslinked              | No                        |
| Welding spark resistance                       | No                    | Colour coding                        | brown, white, blue, black |
| Torsion resistance                             | 360 °/m               | Temperature range, stationary        | -40...90 °C               |
| Resistant to welding beads                     | No                    | Temperature range, moving            | -30...90 °C               |
| Number of poles                                | 4                     | Outside diameter                     | 5.1 mm ± 0.2 mm           |

### General technical data

|                              |                                  |                        |                      |
|------------------------------|----------------------------------|------------------------|----------------------|
| Coding                       | none                             | Connection thread      | M8 / M8              |
| Contact surface              | Gold-plated                      | LED                    | No                   |
| Version                      | pin, straight - socket, straight | Housing main material  | PUR                  |
| Insulation resistance        | 108 Ω                            | Nominal voltage        | 30 V                 |
| Nominal current              | 4 A                              | Protection degree      | IP67                 |
| Plugging cycles              | ≥ 100                            | Pollution severity     | 3                    |
| jumpered                     | No                               | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -25...+80 °C                     | Tightening torque      | M8: 0.6 Nm           |

### Electrical properties

|                       |       |                 |      |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
|-----------------------|-------|-----------------|------|

### Plug, left

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

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**Technical data****Plug, right**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-07 |             |             |

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**Drawings**

**Dimensioned drawing**



Male, straight



Straight socket

**Pole scheme**



Pin

**Pole scheme**



Socket

# Drawings

## 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