Data sheet

# SAIL-M8GM8G-4S-3.0U

**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, DeviceNetTM, EtherCAT and Ethernet.

## General ordering data

| | |
|---|---|
| Version | Bus line, Connecting line, M8 / M8, Number of poles: 4, 3 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1981900300 |
| Type | SAIL-M8GM8G-4S-3.0U |
| GTIN (EAN) | 4032248684328 |
| Qty. | 1 items |

# Data sheet

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Dimensions and weights

| | |
|---|---|
| Net weight | 114.4 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 | 3 m | Sheathing colour | black |
| Suitable for cable carriers | Yes | Core cross-section | 0.34 mm² |
| Shielded | Yes | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s² |
| 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 | Cable length configurable | 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) |
| Type is 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 | | |

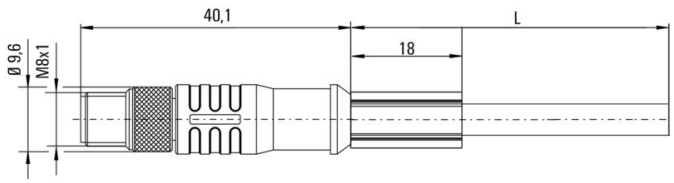
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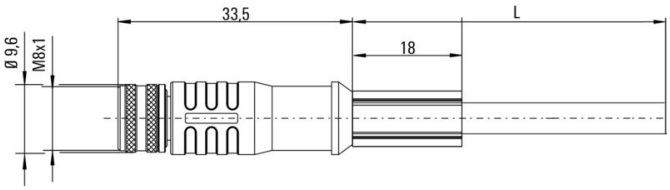
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## Drawings

### Dimensioned drawing

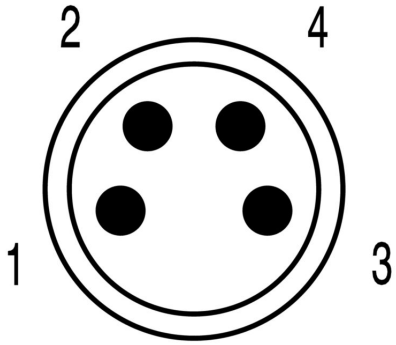



Male, straight



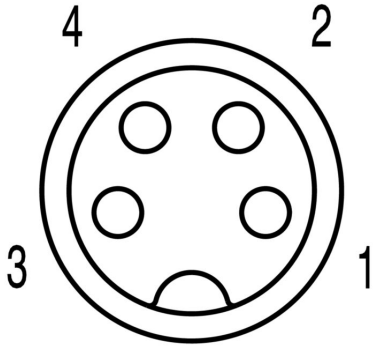

Straight socket

### Pole scheme




Pin

### Pole scheme




Socket

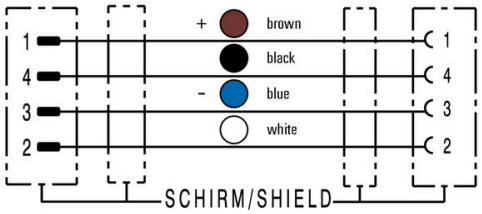
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## Drawings

### 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