# SAIL-M8G-3-2.0U

**Weidmüller Interface GmbH & Co. KG**
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Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.
Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

| | |
|---|---|
| Type | SAIL-M8G-3-2.0U |
| Order No. | 1824590200 |
| Version | Sensor/actuator line, One end without connector, M8, No. of poles: 3, 2 m, pin, straight, shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248646388 |
| Qty. | 1 pc(s). |

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 67 g |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| No. of poles | 3 | Core cross-section | 0.25 mm² |
| shielded | No | Insulation | TPM |
| Colour coding | Brown, Blue, Black | Sheath material | PUR |
| Sheathing colour | Black | Outer diameter | 4.1 ± 0.2 mm |
| Cable length | 2 m | Temperature range, moving, min. | -25 °C |
| Temperature range, moving, max. | 80 °C | Temperature range, stationary, min. | -40 °C |
| Temperature range, stationary, max. | 80 °C | Halogen | No |
| Suitable for cable carriers | Yes | Torsion resistance | 180 °/m |
| Bending radius, min., stationary | 5 x cable diameter | Bending radius, min., moving | 10 x cable diameter |
| Acceleration | 5 m/s² | Speed | 200 m/min |
| Bending cycles | 5 Mio | Resistant to welding beads | No |

### General technical data

| | | | |
|---|---|---|---|
| Version | pin, straight | Contact tube diameter | M8 |
| Housing main material | PUR | Threaded ring material | Brass, nickel-plated |
| Coding | none | Protection degree | IP 65, IP 66, IP 67, IP 68, (when screwed in) |
| Contact surface | Gold-plated | LED | No |
| Rated voltage | 60 V | Rated current | 4 A |
| Insulation resistance | $10^8$ Ω | Temperature range of housing | -25...+85 °C |
| Tightening torque | M8: 0.5 - 0.6 Nm | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001855 | UNSPSC | 26-12-16-13 |
| eClass 5.1 | 27-06-91-90 | eClass 6.2 | 27-27-92-18 |
| eClass 7.1 | 27-06-91-90 | | |

### Approvals

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

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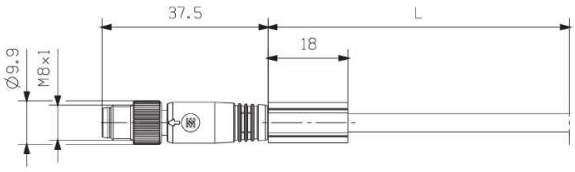
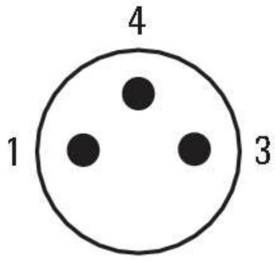
## Zeichnungen

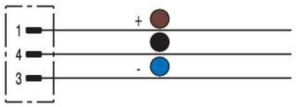
### Dimensioned drawing




### Pole scheme




### Circuit diagram




### The ideal tool, the 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