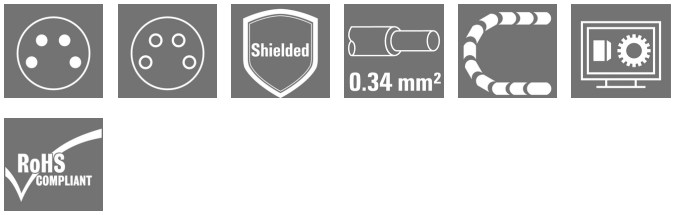
# SAIL-M8GM8G-4S-20U-SB

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

| | |
|---|---|
| Type | SAIL-M8GM8G-4S-20U-SB |
| Order No. | 1981902000 |
| Version | Bus line, Connecting line, M8 / M8, No. of poles: 4, 20 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248726899 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 771 g |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Number of poles | 4 | Core cross-section | 0.34 mm² |
| Outside diameter | 5.1 ± 0.2 mm | Cable length | 20 m |
| Shielded | Yes | Insulation | PP |
| Colour coding | brown, white, blue, black | Sheath material | PUR |
| Sheathing colour | black | Halogen | No |
| Temperature range, moving | -30...90 °C | Temperature range, stationary | -40...90 °C |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Suitable for cable carriers | Yes | Torsion resistance | 360 °/m |
| Bending radius, min., stationary | 5 x cable diameter | Bending radius, min., moving | 12 x cable diameter |
| Acceleration | 5 m/s² | Speed | 100 m/min |
| Bending cycles | 250.000 | Resistant to welding beads | No |
| Hybrid cable | No | Irradiation crosslinked | No |
| Configurable cable length | No | | |

### General technical data

| | | | |
|---|---|---|---|
| Version | pin, straight - socket, straight | Connection thread | M8 / M8 |
| Housing main material | PUR | Threaded ring material | Brass, nickel-plated |
| Coding | none | Protection degree | IP67 |
| Contact surface | Gold-plated | LED | No |
| Rated voltage | 30 V | Rated current | 4 A |
| Insulation strength | $10^8$ Ω | Temperature range of housing | -25...+80 °C |
| Tightening torque | M8: 0.5 - 0.6 Nm | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001855 | ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 | ETIM 6.0 | EC002599 |
| UNSPSC | 30-21-18-01 | eClass 5.1 | 27-06-91-90 |
| eClass 6.2 | 27-06-03-07 | eClass 7.1 | 27-06-91-90 |
| eClass 8.1 | 27-06-91-90 | eClass 9.0 | 27-06-03-08 |
| eClass 9.1 | 27-06-03-08 | | |

### Approvals

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

Creation date May 28, 2019 12:05:58 AM CEST

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# Technical data

### Downloads

| | |
|---|---|
| Brochure/Catalogue | CAT 8 SAI 15/16 EN<br>FL FIELDWIRING EN |
| Engineering Data | EPLAN, WSCAD |

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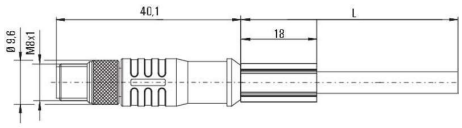
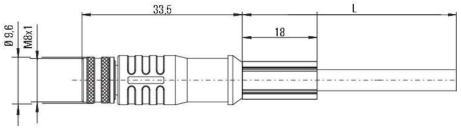
# Drawings

### Dimensioned drawing



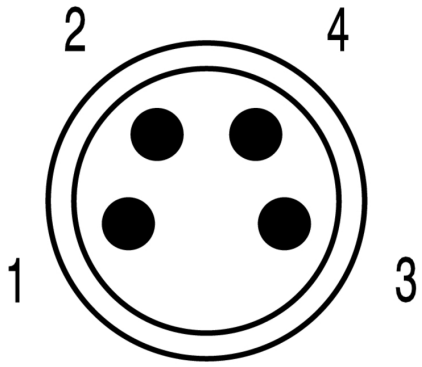

Male, straight

### Dimensioned drawing



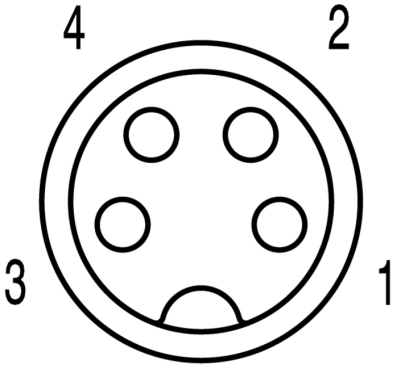

Straight socket

### Pole scheme



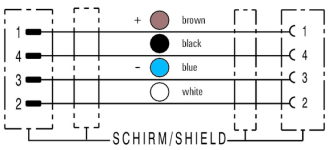

Pin

### Pole scheme




Socket

### 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

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