# SAIB-M23-19P-ST-60M

**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.
The M23 cables offer: high mating frequency, high current carrying capacity and high-density contacts coupled with minimal dimensions.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

| | |
|---|---|
| Type | SAIB-M23-19P-ST-60M |
| Order No. | 1818186000 |
| Version | Sensor/actuator line, One end without connector, M23, No. of poles: 19, 60 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4050118042399 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 7,360 g |

### Temperatures

| | | | |
|---|---|---|---|
| Operating temperature, max. | 80 °C | Operating temperature, min. | -25 °C |

### Environmental Product Compliance

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Number of poles | 19 | Wire cross section | 12-pole (8x0.34+3x0.75)/19-pole (16x0.34+3x0.75) |
| Outside diameter | 9.1 ± 0.3 mm | Cable length | 60 m |
| Shielded | No | Insulation | TPM |
| Colour coding | violet, red, grey, red / blue, green, blue, grey / pink, white / green, white / yellow, white / grey, black, Green/yellow, Yellow / brown, brown / green, white, yellow, pink, grey / brown, brown | Sheath material | PUR |
| Sheathing colour | black | Halogen | No |
| Temperature range, moving | -25...80 °C | Temperature range, stationary | -50...80 °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 | 0 °/m |
| Bending radius, min., moving | 10 x cable diameter | Bending cycles | 2 Mio |
| Resistant to welding beads | No | | |

### General technical data

| | | | |
|---|---|---|---|
| Version | Female socket, straight | Connection thread | M23 |
| Housing main material | PUR | Threaded ring material | Diecast zinc |
| Protection degree | IP67 | Contact surface | Gold-plated |
| LED | No | Rated voltage | 150 V |
| Rated current | 8 A | Insulation strength | $10^{12}$ Ω |
| Temperature range of housing | -25...+80 °C | Tightening torque | M23: 2.5 Nm |
| Plugging cycles | ≥ 50 | Pollution severity | 2 |
| jumpered | No | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 4.0 | EC002062 | ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC001855 | eClass 6.2 | 27-06-91-90 |
| eClass 7.1 | 27-06-91-90 | eClass 8.1 | 27-06-91-90 |
| eClass 9.0 | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |

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# Technical data

### Approvals

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

### Downloads

| | |
|---|---|
| Brochure/Catalogue | FL FIELDWIRING EN |

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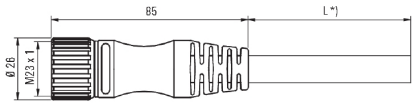
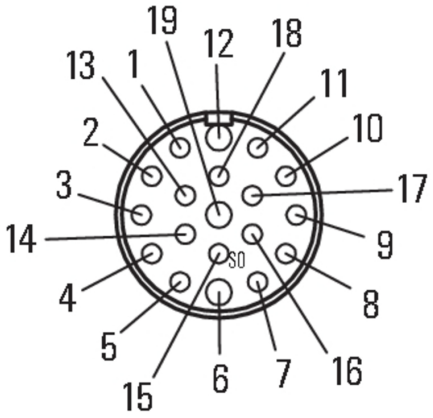
## Drawings

### Dimensioned drawing



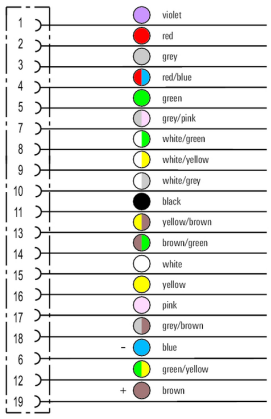

Straight socket

### 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