

## SAIB-M23-19P-ST-55M

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



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

|            |  |
|------------|--|
| Version    | Sensor/actuator line, One end without connector, M23, Number of poles: 19, 55 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1818185500</a>   |
| Type       | SAIB-M23-19P-ST-55M  |
| GTIN (EAN) | 4050118042382  |
| Qty.       | 1 items  |

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**Technical data**

**Approvals**

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E486077                    |

**Dimensions and weights**

|            |        |
|------------|--------|
| Net weight | 6700 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                                   | 55 m   | Sheathing colour                     | black                 |
| Suitable for cable carriers                    | Yes  | Shielded                             | No                    |
| Halogen  | No   | Insulation                           | TPM                   |
| Bending radius, min., moving                   | 10 x cable diameter  | Bending cycles                       | 2 Mio                 |
| Wire cross section (Print/Online)              | 3 x 0.75 mm <sup>2</sup> + 16 x 0.34 mm <sup>2</sup>   | Sheath material                      | PUR                   |
| Outer cladding in accordance with UL AWM style | 21198 (80 °C / 300 V)  | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Irradiation crosslinked                        | No   | Welding spark resistance             | No                    |
| 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 | Torsion resistance                   | 0 °/m                 |
| Temperature range, stationary                  | -50...80 °C  | Resistant to welding beads           | No                    |
| Temperature range, moving                      | -25...80 °C  | Number of poles                      | 19                    |
| Outside diameter                               | 9.1 mm ± 0.3 mm  |                                      |                       |

**General technical data**

|                       |                         |
|-----------------------|-------------------------|
| Connection thread     | M23                     |
| Contact surface       | Gold-plated             |
| LED                   | No                      |
| Version               | Female socket, straight |
| Housing main material | PUR                     |
| Insulation resistance | 1012 Ω                  |
| Nominal voltage       | 120 V                   |
| Nominal current       | 8 A                     |
| Protection degree     | IP67                    |
| Plugging cycles       | ≥ 50                    |
| Pollution severity    | 2                       |
| jumpered              | No                      |

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## Technical data

|                              |                                     |              |
|------------------------------|-------------------------------------|--------------|
| Connection side version      | Connection side                     | 1            |
|                              | Connection thread                   | M23          |
|                              | Type of contact                     | Socket       |
|                              | Type of thread                      | Inner thread |
|                              | Outlet direction                    | straight     |
| Connection side version 1    | M23, Socket, Inner thread, straight |              |
| Threaded ring material       | Diecast zinc                        |              |
| Temperature range of housing | -25...+80 °C                        |              |
| Tightening torque            | M23: 2.5 Nm                         |              |

### Electrical properties

|                       |        |                 |       |
|-----------------------|--------|-----------------|-------|
| Insulation resistance | 1012 Ω | Nominal voltage | 120 V |
|-----------------------|--------|-----------------|-------|

### General standards

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E486077 |
|-------------------------|---------|

### Plug, left

|           |   |
|-----------|---|
| Plug left | IP67, female contact, straight, Plastic, unshielded |
|-----------|---|

### Plug, right

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

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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

