

**SAIL-M8WM8W-4S6.5U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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.

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**

|            |                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M8, Number of poles : 4, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2443150650</a>                                                                               |
| Type       | SAIL-M8WM8W-4S6.5U                                                                                       |
| GTIN (EAN) | 4050118457070                                                                                            |
| Qty.       | 1 pc(s).                                                                                                 |

Creation date March 27, 2021 12:17:46 AM CET

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**Technical data****Dimensions and weights**

Net weight 277 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

|                                                |                                |        |
|------------------------------------------------|--------------------------------|--------|
| Acceleration                                   | 5 m/s²                         |        |
| Bending cycles                                 | 250.000                        |        |
| Bending radius, min., moving                   | 12 x conductor cross-section   |        |
| Bending radius, min., stationary               | 5 x cable diameter             |        |
| Colour coding                                  | brown, black, blue, white      |        |
| Configurable cable length                      | No                             |        |
| Core cross-section                             | 0.34 mm²                       |        |
| Halogen                                        | No                             |        |
| Housing main material                          | PUR                            |        |
| Insulation                                     | PP                             |        |
| Number of poles                                | 4                              |        |
| Number of poles                                | 4                              |        |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)          |        |
| Outer diameter                                 | 5.1 ± 0.2 mm                   |        |
| Outside diameter                               | Diameter                       | 5.1 mm |
|                                                | Signs                          | ±      |
|                                                | Tolerance                      | 0.2 mm |
| Outside diameter                               | 5.1 mm ± 0.2 mm                |        |
| Resistance to spread of flame                  | in accordance with IEC 60332-2 |        |
| Resistant to welding beads                     | No                             |        |
| Sheath material                                | PUR                            |        |
| Sheathing colour                               | black                          |        |
| Shielded                                       | Yes                            |        |
| Speed                                          | 100 m/min                      |        |
| Suitable for cable carriers                    | Yes                            |        |
| Temperature range, moving                      | -25...80 °C                    |        |
| Temperature range, moving, max.                | 80 °C                          |        |
| Temperature range, moving, min.                | -25 °C                         |        |
| Temperature range, stationary                  | -40...80 °C                    |        |
| Temperature range, stationary, max.            | 80 °C                          |        |
| Temperature range, stationary, min.            | -40 °C                         |        |
| Torsion resistance                             | 0 °/m                          |        |

**General technical data**

|                        |                                         |                              |                  |
|------------------------|-----------------------------------------|------------------------------|------------------|
| Coding                 | none                                    | Connection thread            | M8               |
| Contact surface        | Gold-plated                             | Housing main material        | PUR              |
| Insulation strength    | 10 <sup>8</sup> Ω                       | LED                          | No               |
| Plugging cycles        | ≥ 100                                   | Pollution severity           | 3                |
| Protection degree      | IP65, IP66, IP67, IP68, when screwed in | Rated current                | 4 A              |
| Rated voltage          | 30 V                                    | Temperature range of housing | -25...+80 °C     |
| Threaded ring material | Diecast zinc                            | Tightening torque            | M8: 0.5 - 0.6 Nm |
| jumpered               | No                                      |                              |                  |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ECLASS 9.0  | 27-06-03-11 | ECLASS 9.1  | 27-06-03-11 |
| ECLASS 10.0 | 27-06-03-11 | ECLASS 11.0 | 27-06-03-11 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

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## Drawings

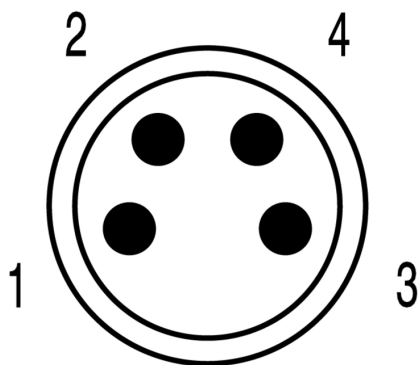
### Dimensioned drawing



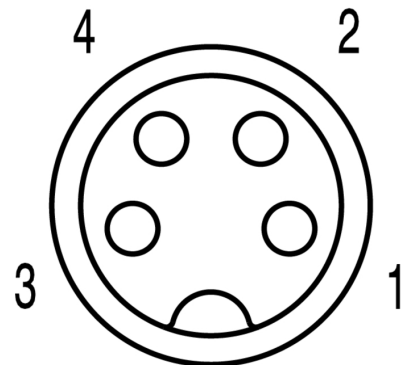
### Dimensioned drawing



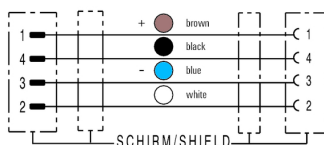
### Pole scheme



### Pole scheme



### 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