

**SAIL-M12WM8W-4-5.0V****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.

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, Connecting line, M12 / M8, Number of poles : 4, 5 m, pin, 90&deg; - socket 90&deg;, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1938220500</a>                                                                                                                                          |
| Type       | SAIL-M12WM8W-4-5.0V                                                                                                                                                 |
| GTIN (EAN) | 4032248611812                                                                                                                                                       |
| Qty.       | 1 pc(s).                                                                                                                                                            |

Creation date March 26, 2021 10:28:44 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

**SAIL-M12WM8W-4-5.0V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|            |       |
|------------|-------|
| Net weight | 183 g |
|------------|-------|

**Environmental Product Compliance**

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

**Technical specifications for cable**

|                                                |                           |        |
|------------------------------------------------|---------------------------|--------|
| Cable length                                   | 5 m                       |        |
| Colour coding                                  | brown, white, blue, black |        |
| Configurable cable length                      | No                        |        |
| Core cross-section                             | 0.25 mm²                  |        |
| Halogen                                        | Yes                       |        |
| Housing main material                          | PUR                       |        |
| Insulation                                     | PVC                       |        |
| Number of poles                                | 4                         |        |
| Number of poles                                | 4                         |        |
| Outer cladding in accordance with UL AWM style | 2464 (80 °C / 300 V)      |        |
| Outer diameter                                 | 4.8 ± 0.2 mm              |        |
| Outside diameter                               | 4.8 mm ± 0.2 mm           |        |
| Outside diameter                               | Diameter                  | 4.8 mm |
|                                                | Signs                     | ±      |
|                                                | Tolerance                 | 0.2 mm |
| Resistant to welding beads                     | No                        |        |
| Sheath material                                | PVC                       |        |
| Sheathing colour                               | black                     |        |
| Shielded                                       | No                        |        |
| Suitable for cable carriers                    | No                        |        |
| Temperature range, moving                      | -5...80 °C                |        |
| Temperature range, moving, max.                | 80 °C                     |        |
| Temperature range, moving, min.                | -5 °C                     |        |
| Temperature range, stationary                  | -30...80 °C               |        |
| Temperature range, stationary, max.            | 80 °C                     |        |
| Temperature range, stationary, min.            | -30 °C                    |        |
| Torsion resistance                             | 0 °/m                     |        |

**General technical data**

|                              |                                     |                        |                                         |
|------------------------------|-------------------------------------|------------------------|-----------------------------------------|
| AF size                      | 12 mm                               | Coding                 | M12 = A, M8 = none                      |
| Connection thread            | M12 / 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, M12: 0.8 - 1.2 Nm | Version                | pin, 90°; - socket 90°;                 |
| jumpered                     | No                                  |                        |                                         |

**SAIL-M12WM8W-4-5.0V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |

**Downloads**

|                             |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                |
| Product Change Notification | <a href="#">DE - Technische Änderung zu M12 Gewinding mit 6-Kant</a><br><a href="#">EN - Technical change to M12 nut with additional hexagonal mounting</a> |

## SAIL-M12WM8W-4-5.0V

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

## Drawings

### Dimensioned drawing



Male, angled

### Pole scheme



### Dimensioned drawing



Angled socket

### 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