

SAIL-ZW-M12BG-3-3.0V

Weidmüller Interface GmbH & Co. KG

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Germany

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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.

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

| | |
|------------|---|
| Type | SAIL-ZW-M12BG-3-3.0V |
| Order No. | 1171890300 |
| Version | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 3 m, Twin cabling, pin, straight, 2x socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| GTIN (EAN) | 4050118275650 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

Net weight 251 g

Technical specifications for cable

| | | | |
|-------------------------------|--------------|---------------------------|----------------------|
| Number of poles | 3 | Core cross-section | 0.34 mm ² |
| Outside diameter | 4.9 ± 0.2 mm | Shielded | No |
| Insulation | PVC | Colour coding | brown, blue, black |
| Sheath material | PVC | Sheathing colour | Black |
| Cable length | 3 m | Temperature range, moving | -5...80 °C |
| Temperature range, stationary | -30...80 °C | Halogen | Yes |
| Suitable for cable carriers | No | Torsion resistance | 0 °/m |
| Resistant to welding beads | No | | |

General technical data

| | | | |
|-----------------------|---|------------------------------|--|
| Version | Twin cabling, pin, straight, 2x socket, straight | connection thread | M12 / M12 |
| Housing main material | PUR | Threaded ring material | Brass, nickel-plated |
| Coding | A | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Contact surface | Gold-plated | LED | No |
| Rated voltage | 250 V | Rated current | 4 A |
| Insulation resistance | 10 ⁸ Ω | Temperature range of housing | -25...+85 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |

Standards

Connector standard IEC 61076-2-101 Certificate no. (cULus) E307231

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 5.0 | EC001855 | ETIM 6.0 | EC001855 |
| eClass 6.2 | 27-27-92-18 | eClass 7.1 | 27-27-92-18 |
| eClass 8.1 | 27-27-92-18 | eClass 9.0 | 27-06-03-11 |
| eClass 9.1 | 27-06-03-13 | | |

Approvals

Approvals



ROHS Conform

Downloads

Brochure/Catalogue [FL FIELDWIRING EN](#)
Engineering Data [EPLAN, WSCAD](#)

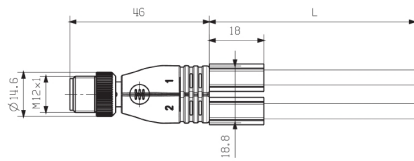
Data sheet

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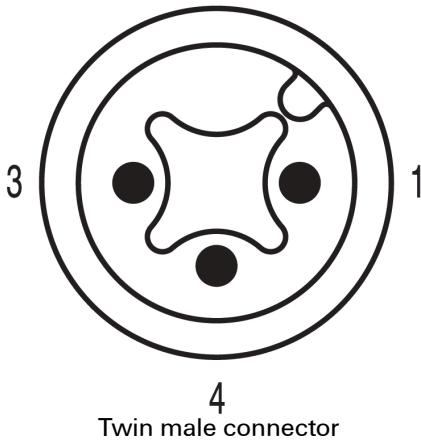
Drawings

Dimensioned drawing



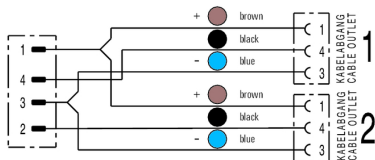
Twin male connector, straight

Pole scheme

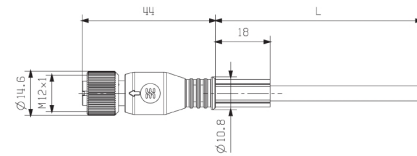


Twin male connector

Wiring diagram

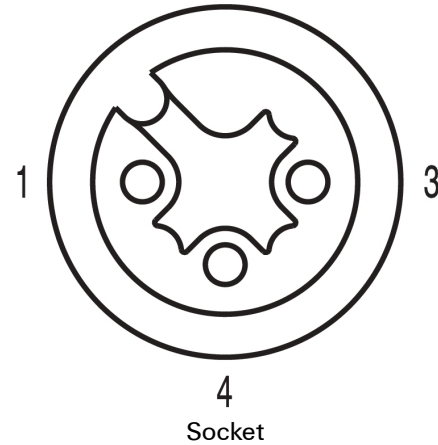


Dimensioned drawing



Straight socket

Pole scheme



Socket

The ideal tool, the 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