

## SAIL-M12GM12G-CD-2.0A

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

www.weidmueller.com



The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, Ether-CAT and Ethernet.

### General ordering data

|            |  |
|------------|--|
| Version    | Bus line, Connecting line, M12 / M12, Number of poles: 5, 2 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1964710200</a>   |
| Type       | SAIL-M12GM12G-CD-2.0A  |
| GTIN (EAN) | 4050118170016  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

## Dimensions and weights

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Length     | 2 mm  | Length (inches) | 0.0787 inch |
| Net weight | 154 g |                 |             |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 1c533b66-fcff-4da5-b89f-fd555bf5cb55 |

## Technical specifications for cable

|  |   |                                   |   |
|--|---|-----------------------------------|---|
| Cable length                                   | 2 m   | Sheathing colour                  | violet  |
| Resistance to oils                             | in accordance with IEC 60811:404  | Suitable for cable carriers       | Yes   |
| Core cross-section                             | 0.38 mm <sup>2</sup>  | Number of wires                   | 5   |
| Shielded                                       | Yes   | Halogen                           | No  |
| Insulation                                     | PE, Polyolefin  | Acceleration                      | 4 m/s <sup>2</sup>                                  |
| Bending radius, min., moving                   | 8 x cable diameter  | Bending radius, min., stationary  | 4 x cable diameter                                  |
| Bending cycles                                 | 2 Mio   | Wire cross section (Print/Online) | 2 x 0.34 mm <sup>2</sup> + 2 x 0.22 mm <sup>2</sup> |
| Resistance to spread of flame                  | in accordance with IEC 60332-1-2, in accordance with UL 1581 VW-1 and UL 2556 sec.9.4 | Speed                             | 4 m/s   |
| Sheath material                                | PUR   | Configurable cable length         | No  |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V)  | Hybrid cable                      | No  |
| Irradiation crosslinked                        | No  | Welding spark resistance          | No  |
| Colour coding                                  | red, black, white, blue   | Temperature range, stationary     | -40...80 °C   |
| Resistant to welding beads                     | No  | Temperature range, moving         | -30...70 °C   |
| Number of poles                                | 5   | Outside diameter                  | 6.9 mm ± 0.3 mm                                     |

## General technical data

|                              |                                  |                        |                      |
|------------------------------|----------------------------------|------------------------|----------------------|
| Coding                       | A-coded                          | Connection thread      | M12 / M12            |
| Contact surface              | Gold-plated                      | LED                    | No                   |
| Version                      | pin, straight - socket, straight | Housing main material  | PUR                  |
| Contact material             | CuZn35PB2                        | Nominal voltage        | 125 V                |
| Nominal current              | 4 A                              | Protection degree      | IP67                 |
| Plugging cycles              | ≥ 100                            | Pollution severity     | 3                    |
| jumpered                     | No                               | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -25...+80 °C                     | Tightening torque      | M12: 0.8 - 1.2 Nm    |

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**Technical data**

**Electrical properties**

Nominal voltage 125 V

**General standards**

Certificate no. (cULus) E307231

**Plug, left**

Plug left M12, A-coded, Number of poles: 5, IP67, male contact, straight, plug, shielded

**Plug, right**

Plug right M12, A-coded, Number of poles: 5, IP67, female contact, straight, plug, shielded

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

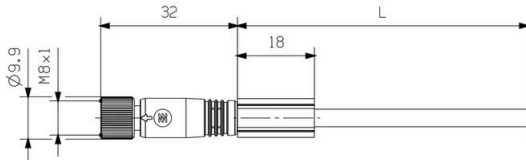
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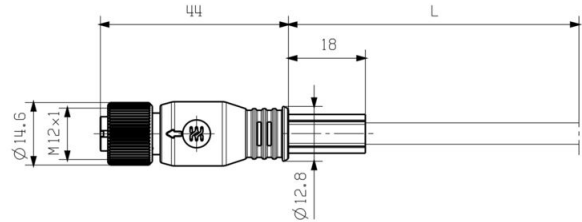
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**Drawings**

**Dimensioned drawing**



Male, straight

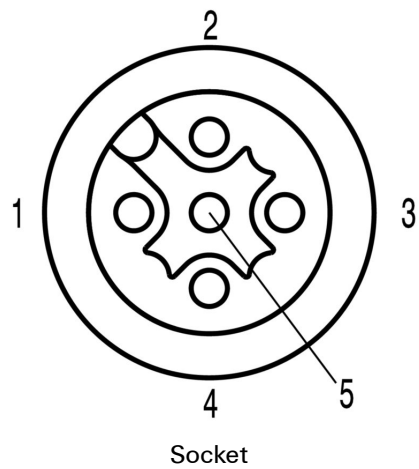


Straight socket

**Pole scheme**



**Pole scheme**



Drawings

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