

**SAIL-M12BG-CD-3.0A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, One end without connector, M12, Number of poles: 5, 3 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1964690300</a>                                                                                                                            |
| Type       | SAIL-M12BG-CD-3.0A                                                                                                                                    |
| GTIN (EAN) | 4032248650149                                                                                                                                         |
| Qty.       | 1 pc(s).                                                                                                                                              |

Creation date March 26, 2021 3:47:08 PM CET

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

|            |         |
|------------|---------|
| Net weight | 201.2 g |
|------------|---------|

**Environmental Product Compliance**

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

**Technical specifications for cable**

|                                                |                             |        |
|------------------------------------------------|-----------------------------|--------|
| Acceleration                                   | 5 m/s²                      |        |
| Bending cycles                                 | 3 Mio                       |        |
| Bending radius, min., moving                   | 10 x cable diameter         |        |
| Bending radius, min., stationary               | 5 x cable diameter          |        |
| Cable length                                   | 3 m                         |        |
| Colour coding                                  | white, blue, red, black     |        |
| Configurable cable length                      | No                          |        |
| Halogen                                        | No                          |        |
| Housing main material                          | PUR                         |        |
| Hybrid cable                                   | No                          |        |
| Insulation                                     | TPE                         |        |
| Irradiation crosslinked                        | No                          |        |
| Number of poles                                | 5                           |        |
| Number of poles                                | 5                           |        |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V)        |        |
| Outer diameter                                 | 7.0 ± 0.3 mm                |        |
| Outside diameter                               | 7 mm ± 0.3 mm               |        |
| Outside diameter                               | Diameter                    | 7 mm   |
|                                                | Signs                       | ±      |
|                                                | Tolerance                   | 0.3 mm |
| Resistant to welding beads                     | No                          |        |
| Sheath material                                | PUR                         |        |
| Sheathing colour                               | black                       |        |
| Shielded                                       | Yes                         |        |
| Speed                                          | 180 m/min                   |        |
| Suitable for cable carriers                    | Yes                         |        |
| Temperature range, moving                      | -10...80 °C                 |        |
| Temperature range, moving, max.                | 80 °C                       |        |
| Temperature range, moving, min.                | -10 °C                      |        |
| Temperature range, stationary                  | -40...80 °C                 |        |
| Temperature range, stationary, max.            | 80 °C                       |        |
| Temperature range, stationary, min.            | -40 °C                      |        |
| Wire cross section                             | 2 x 0.34 mm² + 2 x 0.22 mm² |        |

**General technical data**

|                        |                         |                              |                   |
|------------------------|-------------------------|------------------------------|-------------------|
| Coding                 | A                       | Connection thread            | M12               |
| 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      | IP67                    | Rated current                | 4 A               |
| Rated voltage          | 125 V                   | Temperature range of housing | -25...+80 °C      |
| Threaded ring material | Brass, nickel-plated    | Tightening torque            | M12: 0.8 - 1.2 Nm |
| Version                | Female socket, straight | jumpered                     | No                |

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**Technical data****Electrical properties**

|                     |               |               |       |
|---------------------|---------------|---------------|-------|
| Insulation strength | $10^8 \Omega$ | Rated voltage | 125 V |
|---------------------|---------------|---------------|-------|

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Cable structure**

|                  |                         |            |     |
|------------------|-------------------------|------------|-----|
| Colour coding    | white, blue, red, black | Insulation | TPE |
| Sheathing colour | black                   |            |     |

**Electrical properties of cable**

|                     |               |               |     |
|---------------------|---------------|---------------|-----|
| Insulation strength | $10^8 \Omega$ | Rated current | 4 A |
| Speed               | 180 m/min     |               |     |

**Mechanical and material properties of cable**

|              |                    |                |           |
|--------------|--------------------|----------------|-----------|
| Acceleration | 5 m/s <sup>2</sup> | Bending cycles | 3 Mio     |
| Halogen      | No                 | Speed          | 180 m/min |

**Plug, right**

|                 |             |                       |     |
|-----------------|-------------|-----------------------|-----|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plugging cycles | ≥ 100       |                       |     |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ECLASS 9.0  | 27-06-03-08 | ECLASS 9.1  | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |

**Approvals**

Approvals



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

**Downloads**

|                  |                              |
|------------------|------------------------------|
| Engineering Data | <a href="#">STEP</a>         |
| Engineering Data | <a href="#">EPLAN, WSCAD</a> |

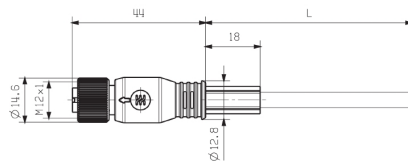
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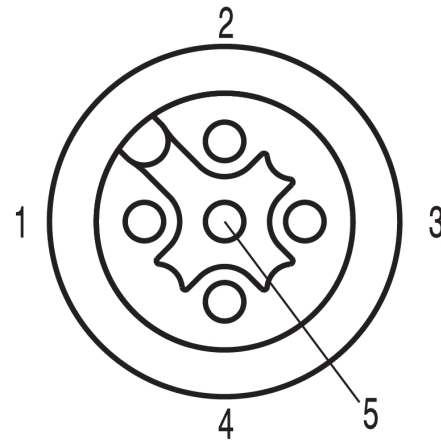
## Drawings

### Dimensioned drawing



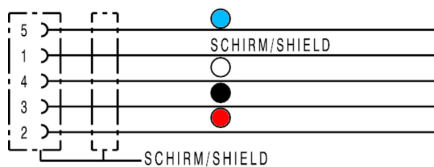
Socket

### 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