

**SAIL-M12GM12G-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, Connecting line, M12 / M12, Number of poles: 5, 3 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1964710300</a>                                                                                                                                 |
| Type       | SAIL-M12GM12G-CD-3.0A                                                                                                                                      |
| GTIN (EAN) | 4032248650224                                                                                                                                              |
| Qty.       | 1 pc(s).                                                                                                                                                   |

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

|            |       |
|------------|-------|
| Net weight | 188 g |
|------------|-------|

**Technical specifications for cable**

|                                                |                      |                                   |                                                     |
|------------------------------------------------|----------------------|-----------------------------------|-----------------------------------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>   | 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                                                  |
| Hybrid cable                                   | No                   | Insulation                        | TPE                                                 |
| Irradiation crosslinked                        | No                   | Number of poles                   | 5                                                   |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V) | Outside diameter                  | 7 mm ± 0.3 mm                                       |
| Resistant to welding beads                     | No                   | Sheath material                   | PUR                                                 |
| Sheathing colour                               | violet               | Shielded                          | Yes                                                 |
| Speed                                          | 180 m/s              | Suitable for cable carriers       | Yes                                                 |
| Temperature range, moving                      | -10...80 °C          | Temperature range, stationary     | -40...80 °C                                         |
| Welding spark resistance                       | No                   | Wire cross section (Print/Online) | 2 x 0.34 mm <sup>2</sup> + 2 x 0.22 mm <sup>2</sup> |

**General technical data**

|                              |                   |                        |                                  |
|------------------------------|-------------------|------------------------|----------------------------------|
| Coding                       | A-coded           | Connection thread      | M12 / M12                        |
| Contact material             | Ni/Au             | 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                | pin, straight - socket, straight |
| jumpered                     | No                |                        |                                  |

**Electrical properties**

|                     |                   |               |       |
|---------------------|-------------------|---------------|-------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 125 V |
|---------------------|-------------------|---------------|-------|

**General standards**

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

**Plug, left**

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Plug left | M12, A-coded, IP67, male contact, straight, Plastic, shielded |
|-----------|---------------------------------------------------------------|

**Plug, right**

|            |                                                                 |
|------------|-----------------------------------------------------------------|
| Plug right | M12, A-coded, IP67, female contact, straight, Plastic, shielded |
|------------|-----------------------------------------------------------------|

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-06-03-08 |
| ECLASS 13.0 | 27-06-03-08 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

**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-fd55fbf5cb55 |

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate no. (cULus) | E307231                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                             |                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Change Notification | <a href="#">20221115 Technical change to CANopenDeviceNet cord sets and cables</a><br><a href="#">20221115 Technische Änderung zu CANopenDeviceNet Leitungen</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                         |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a>                                                                                                                                |

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# Drawings

## Dimensioned drawing

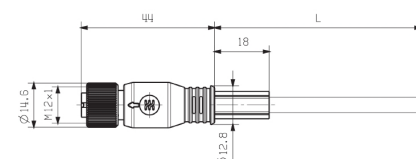


Male, straight

## Pole scheme



Pin



Straight 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