Data sheet

# SAIL-M12GM12SG-CD-20A

**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, DeviceNetTM, EtherCAT and Ethernet.

## General ordering data

| | |
|---|---|
| Version | Bus line, Connecting line, M12 / M12, Number of poles: 5, 20 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1217042000 |
| Type | SAIL-M12GM12SG-CD-20A |
| GTIN (EAN) | 4050118593921 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 20 m | Length (inches) | 787.4016 inch |
| Net weight | 1000 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-fd55fbf5cb55 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 20 m | Sheathing colour | violet |
| Resistance to oils | EN 50363-10-2 | Suitable for cable carriers | Yes |
| Core cross-section | 0.34 mm² | Number of wires | 5 |
| Shielded | Yes | Halogen | No |
| Insulation | PE | Acceleration | 7 m/s² |
| Bending radius, min., moving | 10 x cable diameter | Bending cycles | 5 Mio |
| Wire cross section (Print/Online) | 2 x 0.34 mm² + 2 x 0.22 mm² | Resistance to spread of flame | in accordance with IEC 60332-1-2, In accordance with UL1581 UL/ CUL FT1 |
| Speed | 180 m/min | Sheath material | PUR |
| Cable length configurable | No | Type is hybrid cable | Yes |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | red, black, white, blue | Resistant to welding beads | No |
| Temperature range, moving | -20...80 °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 | Male, straight - male, 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...+85 °C | Tightening torque | M12: 0.8 - 1.2 Nm |

### Electrical properties

| | |
|---|---|
| Nominal voltage | 125 V |

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### General standards

| | |
|---|---|
| Connector standard | IEC 61076-2-101 |

### Plug, left

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

### Plug, right

| | |
|---|---|
| Plug right | M12, A-coded, Number of poles: 5, male 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 | 27-06-03-07 | | |

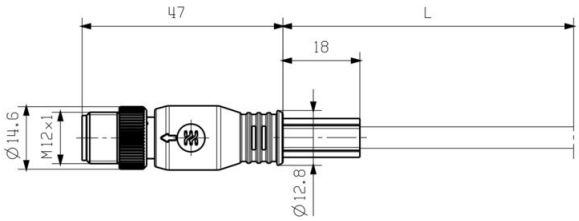
# SAIL-M12GM12SG-CD-20A

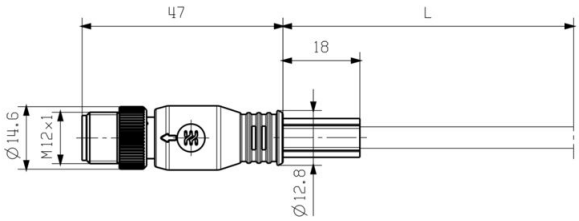
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## Drawings

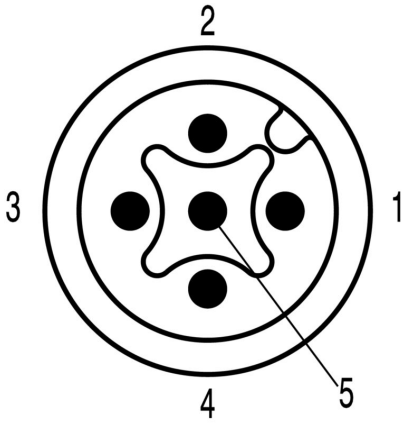
### Dimensioned drawing



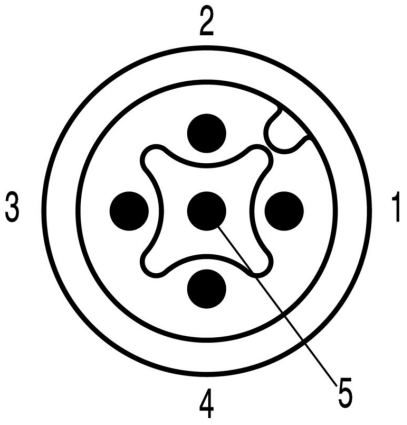

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### Pole scheme




Stift

### Pole scheme



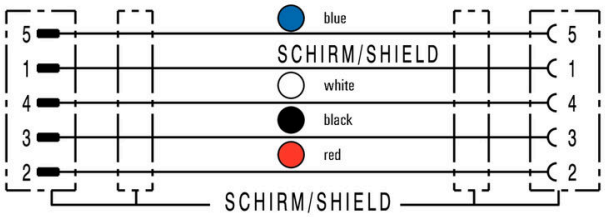
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## Drawings

### 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