Data sheet

# SAIL-M12BG-USB-3.0U

**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, Number of poles: 5, 3 m, Male, straight - female, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1288820300 |
| Type | SAIL-M12BG-USB-3.0U |
| GTIN (EAN) | 4050118080230 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 3 mm | Length (inches) | 0.1181 inch |
| Net weight | 116 g | | |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 3 m | Sheathing colour | black |
| Resistance to oils | No | Suitable for cable carriers | Yes |
| Core cross-section | 0.09 mm² | Number of wires | 4 |
| Shielded | Yes | Halogen | No |
| Insulation | PE | Bending radius, min., stationary | 5 x cable diameter |
| Resistance to spread of flame | UL Style 20963 | Sheath material | PUR |
| Cable length configurable | No | Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V) |
| Type is hybrid cable | No | Irradiation crosslinked | No |
| Colour coding | white, green, red, black | Number of poles | 5 |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Male, straight - female, straight | Housing main material | PUR |
| Insulation resistance | ≥ 20 MΩ | Nominal voltage | 5 V |
| Nominal current | 1 A | Protection degree | IP20 |
| Pollution severity | 3 | Threaded ring material | Nickel-plated CuZn |
| Temperature range of housing | -25...+80 °C | Tightening torque | M12: 0.8 - 1.2 Nm |

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation resistance | ≥ 20 MΩ | Nominal voltage | 5 V |

### Cable structure

| | | | |
|---|---|---|---|
| Sheathing colour | black | Cross-section | 2*AWG28 + 2*AWG28 |
| Shielding | 360° all-round enclosure | Number of wires | 4 |
| Insulation | PE | Colour coding | white, green, red, black |

### Electrical properties of cable

| | | | |
|---|---|---|---|
| Insulation resistance | ≥ 20 MΩ | Category | Miscellaneous |
| Nominal current | 1 A | | |

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## Technical data

### Mechanical and material properties of cable

| | | | |
|---|---|---|---|
| Resistance to oils | No | Halogen | No |
| Resistance to spread of flame | UL Style 20963 | | |

### Plug, left

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

### Plug, right

| | |
|---|---|
| Plug right | USB A, Number of poles: 4, IP20, 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 | | |

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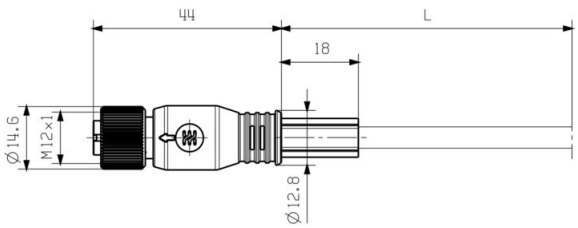
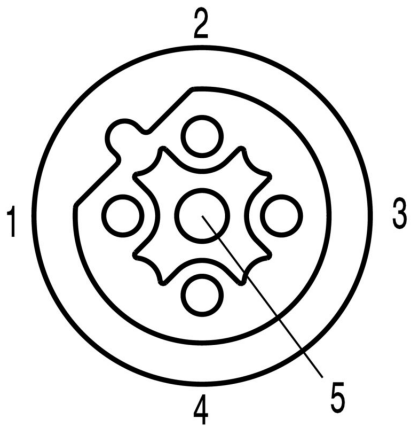
## Drawings

### Dimensioned drawing



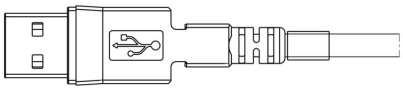

Straight socket

### Pole scheme




M12, socket, B-coded

### Dimensioned drawing



USB type A

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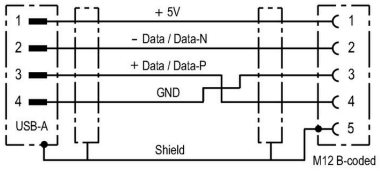
## Drawings

### 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