

## SAIL-M12BG-USB-3.0U

**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™, Ether-CAT and Ethernet.

### General ordering data

|            |   |
|------------|---|
| Version    | Bus line, Connecting line, M12, Number of poles: 5, 3 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1288820300</a>  |
| Type       | SAIL-M12BG-USB-3.0U   |
| GTIN (EAN) | 4050118080230   |
| Qty.       | 1 items   |

## SAIL-M12BG-USB-3.0U

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

www.weidmueller.com

## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

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                    |
| Number of wires                                | 4                    | Shielded                  | Yes                      |
| Halogen  | No                   | Insulation                | PE                       |
| Sheath material                                | PUR                  | Configurable cable length | No                       |
| Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V) | 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                | Female socket, straight | Housing main material        | PUR          |
| Insulation resistance  | 108 Ω                   | Nominal voltage              | 5 V          |
| Nominal current        | 1 A                     | Protection degree            | IP67         |
| 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       |                              |              |

### Electrical properties

Insulation resistance 108 Ω Nominal voltage 5 V

### Cable structure

|                  |       |                 |                          |
|------------------|-------|-----------------|--------------------------|
| Sheathing colour | black | Number of wires | 4                        |
| Insulation       | PE    | Colour coding   | white, green, red, black |

### Electrical properties of cable

Insulation resistance 108 Ω Nominal current 1 A

### Mechanical and material properties of cable

Halogen No

**SAIL-M12BG-USB-3.0U**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Plug, left**

Plug left connector, M12, B-coded,  
Number of poles: 5, IP67,  
female contact, straight,  
unshielded

**Plug, right**

Plug right connector, USB A,  
Number of poles: 4, IP67,  
male contact, straight,  
unshielded

**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 |             |             |

SAIL-M12BG-USB-3.0U

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

www.weidmueller.com

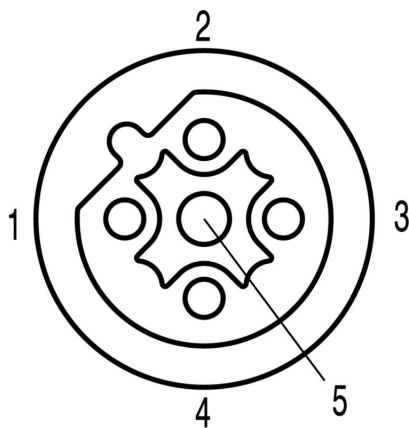
Drawings

Dimensioned drawing



Straight socket

Pole scheme



M12, socket, B-coded

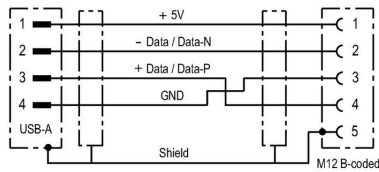
Dimensioned drawing



USB type A

# 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