

**SAIL-M12BW-5-3LR3.0TOV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|            |                                                                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M12, Number of poles : 5, 3 m, Socket, angled, Shielded: No, LED: Yes, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2812670300</a>                                                                                                     |
| Type       | SAIL-M12BW-5-3LR3.0TOV                                                                                                         |
| GTIN (EAN) | 4064675343189                                                                                                                  |
| Qty.       | 1 items                                                                                                                        |

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Dimensions and weights**

Net weight

130 g

**Environmental Product Compliance**

RoHS Compliance Status

Compliant with exemption

RoHS Exemption (if applicable/known)

6c, 7cl

REACH SVHC

Lead 7439-92-1

SCIP

bd63baef-8092-4596-90c7-5b4daa22710b

**Technical specifications for cable**

Cable length

3 m

Suitable for cable carriers

Yes

Shielded

No

Bending radius, min., moving

7.5 x cable diameter

Bending cycles

10 Mio

LABS-free

Yes

Core in accordance with UL AWM style

10995 (80 °C / 300 V)

Welding spark resistance

Yes

Torsion resistance

360 °/m

Resistant to welding beads

Yes

Number of poles

5

Sheathing colour

orange

Core cross-section

0.34 mm<sup>2</sup>

Halogen

No

Bending radius, min., stationary

4 x cable diameter

Sheath material

PUR

Outer cladding in accordance with UL AWM style

20233 (80 °C / 300 V)

Irradiation crosslinked

No

Colour coding

brown, black, blue, white, grey

Temperature range, stationary

-40...80 °C

Temperature range, moving

-25...80 °C

Outside diameter

5.2 mm ± 0.2 mm

**General technical data**

Coding

A-coded

Contact surface

Gold-plated

Version

Socket, angled

Nominal voltage

24 V

AF size

12 mm

Connection thread

M12

LED

Yes

Housing main material

PUR

Nominal current

4 A

Protection degree

IP65, IP66, IP67, IP68, when screwed in

Pollution severity

3

Temperature range of housing

-25...+85 °C

**Electrical properties**

Nominal voltage

24 V

**Plug, left**

Plug left

M12, A-coded, IP68, female contact, angled 90°, Plastic, LED

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

**Classifications**

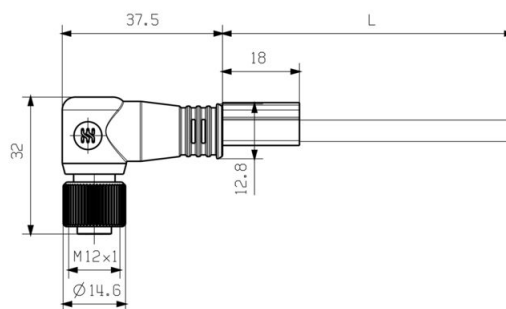
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

## Drawings

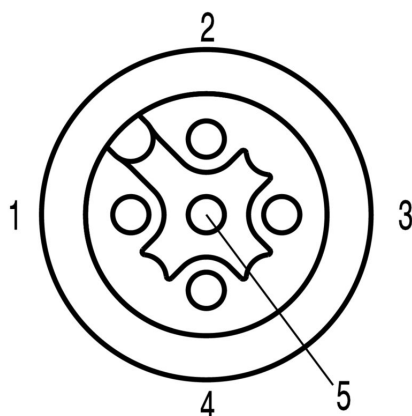
### Detailed drawing



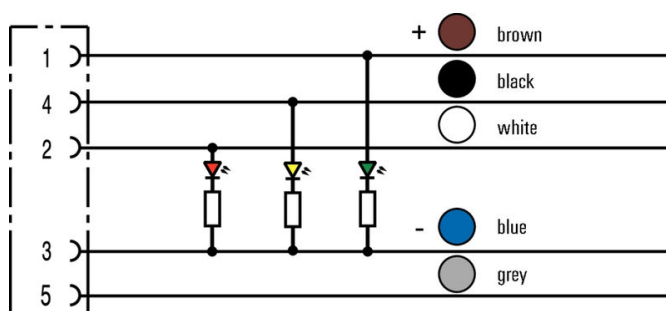
### Dimensioned drawing



### Pole scheme



### Wiring diagram



### SAIL-M12BW-5-3LR3.0TOV

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## Drawings

### The ideal tool: Screwty® with torque function

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Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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## Accessories

### Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

### General ordering data

|            |                            |                                                    |
|------------|----------------------------|----------------------------------------------------|
| Type       | KT 8                       | Version                                            |
| Order No.  | <a href="#">9002650000</a> | Cutting tools, Cutting tool for one-hand operation |
| GTIN (EAN) | 4008190020163              |                                                    |
| Qty.       | 1 ST                       |                                                    |

### Tools



Sheathing stripper for PVC cables

### General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | AM 12                      | Version                    |
| Order No.  | <a href="#">9030060000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827              |                            |
| Qty.       | 1 ST                       |                            |

### Screwty® cable gland tool with torque function



The ideal tool for any application  
Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

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**Accessories**
**General ordering data**

|            |                            |                                        |
|------------|----------------------------|----------------------------------------|
| Type       | SCREWTY-M12-DM             | Version                                |
| Order No.  | <a href="#">1900001000</a> | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248436408              |                                        |
| Qty.       | 1 ST                       |                                        |
| Type       | SAI-SCREWTY BOX            | Version                                |
| Order No.  | <a href="#">1939180000</a> | Bolting tool                           |
| GTIN (EAN) | 4032248615506              |                                        |
| Qty.       | 1 ST                       |                                        |

**Tools**

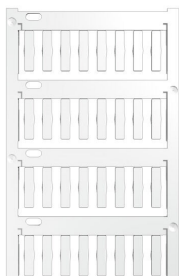

- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

**General ordering data**

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | STRIPPER 6-16 RED-LINE     | Version                    |
| Order No.  | <a href="#">9203110000</a> | Stripping and cutting tool |
| GTIN (EAN) | 4032248541423              |                            |
| Qty.       | 1 ST                       |                            |

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**Accessories**
**Blank**


TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility.

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |                                                      |
|------------|----------------------------|------------------------------------------------------|
| Type       | TM-I 18 MC NE WS           | Version                                              |
| Order No.  | <a href="#">1718431044</a> | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white  |
| GTIN (EAN) | 4008190349011              |                                                      |
| Qty.       | 320 ST                     |                                                      |
| Type       | TM-I 18 MC NE GE           | Version                                              |
| Order No.  | <a href="#">1718431687</a> | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow |
| GTIN (EAN) | 4008190349028              |                                                      |
| Qty.       | 320 ST                     |                                                      |