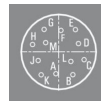


**SAIL-M16BW-12-3.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

|            |                                                                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, One end without connector, M16, Number of poles: 12, 3 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: Yes |
| Order No.  | <a href="#">1259010300</a>                                                                                                                                |
| Type       | SAIL-M16BW-12-3.0U                                                                                                                                        |
| GTIN (EAN) | 4050118146691                                                                                                                                             |
| Qty.       | 1 pc(s).                                                                                                                                                  |

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

|            |       |
|------------|-------|
| Net weight | 252 g |
|------------|-------|

**Technical specifications for cable**

|                               |                      |                                  |                                                                                            |
|-------------------------------|----------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Bending radius, min., moving  | 15 x cable diameter  | Bending radius, min., stationary | 8 x cable diameter                                                                         |
| Cable length                  | 3 m                  | Colour coding                    | white, brown, green, yellow, grey, pink, blue, red, black, violet, grey / pink, red / blue |
| Core cross-section            | 0.25 mm <sup>2</sup> | Halogen                          | Yes                                                                                        |
| Insulation                    | PVC                  | Irradiation crosslinked          | No                                                                                         |
| Number of poles               | 12                   | Outside diameter                 | 7 mm ± 0.2 mm                                                                              |
| Resistant to welding beads    | No                   | Sheath material                  | PUR                                                                                        |
| Sheathing colour              | black                | Shielded                         | No                                                                                         |
| Suitable for cable carriers   | No                   | Temperature range, moving        | -5...70 °C                                                                                 |
| Temperature range, stationary | -25...70 °C          | Torsion resistance               | 0 °/m                                                                                      |
| Welding spark resistance      | No                   |                                  |                                                                                            |

**General technical data**

|                              |                |                        |                      |
|------------------------------|----------------|------------------------|----------------------|
| Connection thread            | M16            | Contact surface        | Gold-plated          |
| Housing main material        | PUR            | Insulation strength    | 10 <sup>12</sup> Ω   |
| LED                          | No             | Plugging cycles        | ≥ 500                |
| Pollution severity           | 1              | Protection degree      | IP67                 |
| Rated current                | 3 A            | Rated voltage          | 60 V                 |
| Temperature range of housing | -25 ... +70 °C | Threaded ring material | Brass, nickel-plated |
| Tightening torque            | M16: 0.6 Nm    | Version                | Socket, angled       |
| jumpered                     | No             |                        |                      |

**Electrical properties**

|                     |                    |               |      |
|---------------------|--------------------|---------------|------|
| Insulation strength | 10 <sup>12</sup> Ω | Rated voltage | 60 V |
|---------------------|--------------------|---------------|------|

**Plug, left**

|           |                                                            |
|-----------|------------------------------------------------------------|
| Plug left | M16, IP67, female contact, angled 90°, Plastic, unshielded |
|-----------|------------------------------------------------------------|

**Plug, right**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 9.0  | 27-06-03-11 |
| ECLASS 9.1  | 27-06-03-11 | ECLASS 10.0 | 27-06-03-11 |
| ECLASS 11.0 | 27-06-03-11 | ECLASS 12.0 | 27-06-03-11 |
| ECLASS 13.0 | 27-06-03-11 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

**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_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
| Brochures  | <a href="#">FL FIELDWIRING EN</a>        |

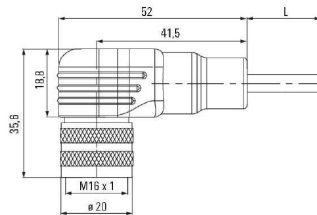
## SAIL-M16BW-12-3.0U

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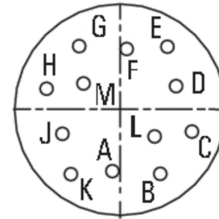
# Drawings

## Dimensioned drawing



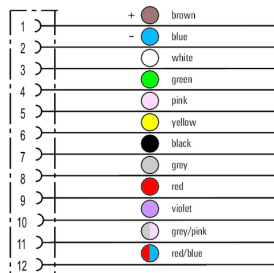
Angled socket

## 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