

**SAIL-M12BW-5-2.0TYV****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, 2 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2812780200</a>                                                                                                    |
| Type       | SAIL-M12BW-5-2.0TYV                                                                                                           |
| GTIN (EAN) | 4064675428404                                                                                                                 |
| Qty.       | 1 pc(s).                                                                                                                      |

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

|            |         |
|------------|---------|
| Net weight | 123.2 g |
|------------|---------|

**Technical specifications for cable**

|                                                |                                  |                                  |                      |
|------------------------------------------------|----------------------------------|----------------------------------|----------------------|
| Bending cycles                                 | 10 Mio                           | Bending cycles at torsion        | > 5 Mio.             |
| Bending radius, min., moving                   | 7.5 x cable diameter             | Bending radius, min., stationary | 4 x cable diameter   |
| Cable Material                                 | PUR                              | Cable length                     | 2 m                  |
| Colour coding                                  | brown, blue, black, white, grey  | Core cross-section               | 0.34 mm <sup>2</sup> |
| Core in accordance with UL AWM style           | 10995 (80 °C / 300 V)            | Halogen                          | No                   |
| Insulation                                     | TPE                              | Irradiation crosslinked          | No                   |
| LABS-free                                      | Yes                              | Number of poles                  | 5                    |
| Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V)            | Outside diameter                 | 5.2 mm ± 0.2 mm      |
| Resistance to oils                             | in accordance with IEC 60811:404 | Resistant to welding beads       | Yes                  |
| Sheath material                                | PUR                              | Sheathing colour                 | yellow               |
| Shielded                                       | No                               | Temperature range, moving        | -40...105 °C         |
| Temperature range, stationary                  | -30...105 °C                     | Torsion resistance               | 360 °/m              |
| Welding spark resistance                       | Yes                              |                                  |                      |

**General technical data**

|                              |                   |                        |                                         |
|------------------------------|-------------------|------------------------|-----------------------------------------|
| Coding                       | A-coded           | Connection thread      | M12                                     |
| Contact surface              | Gold-plated       | Housing main material  | PUR                                     |
| LED                          | No                | Protection degree      | IP65, IP66, IP67, IP68, when screwed in |
| Rated current                | 4 A               | Rated voltage          | 60 V                                    |
| Temperature range of housing | -25...+85 °C      | Threaded ring material | Brass, nickel-plated                    |
| Tightening torque            | M12: 0.8 - 1.2 Nm | Version                | Socket, angled                          |

**Electrical properties**

|               |      |
|---------------|------|
| Rated voltage | 60 V |
|---------------|------|

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Plug, left**

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Plug left | M12, A-coded, IP68, female contact, angled 90°, Plastic, unshielded |
|-----------|---------------------------------------------------------------------|

**Plug, right**

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

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |             |             |

**Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | bd63baef-8092-4596-90c7-5b4daa22710b |

**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                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate no. (cULus) | E307231                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Product Change Notification | <a href="#">Technical change to 3 to 5-pole unshielded M12 cord sets</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                 |

## SAIL-M12BW-5-2.0TYV

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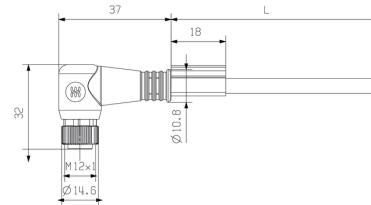
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

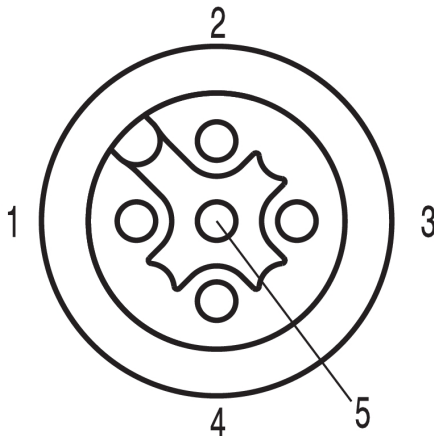
### Detailed drawing



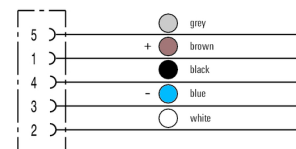
### Dimensioned drawing



### Pole scheme



### Wiring diagram



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## Drawings

### The ideal tool: Screwty<sup>®</sup> 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