

**SAI-4-F 4P M12 L 10M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

M12 distributors are available in various versions. The 4, 6 or 8 M12 slots are in 4 or 5 pole design. The group outlet is designed as a fixed cable version, hood version for connection by the user, or with M23. Special versions are also available. For instance, there are 1-to-1 distributors for use with any connection types, or distributors approved for Ex Zone 1.

**General ordering data**

|            |   |
|------------|---|
| Version    | Fixed cable version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 10 m |
| Order No.  | <a href="#">1070660000</a>  |
| Type       | SAI-4-F 4P M12 L 10M  |
| GTIN (EAN) | 4032248826858   |
| Qty.       | 1 pc(s).  |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 144 mm  | Depth (inches)  | 5.669 inch |
| Height     | 18.2 mm | Height (inches) | 0.717 inch |
| Net weight | 919 g   |                 |            |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 80°C |
|-----------------------|------------|

## Connection data

|                            |        |                    |                     |
|----------------------------|--------|--------------------|---------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | Fixed cable version |
|----------------------------|--------|--------------------|---------------------|

## Electrical data

|                                |      |   |                   |
|--------------------------------|------|---|-------------------|
| Rated voltage, min.            | 10 V | Rated voltage, max.                     | 30 V              |
| Test voltage                   | 1 kV | Max. current-carrying capacity per slot | 3 A               |
| Total current                  | 9 A  | Current per signal                      | 2 A               |
| Electrical isolation available | No   | Insulation strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                             |         |                                     |       |
|-----------------------------|---------|-------------------------------------|-------|
| Plug-in station coding      | A-coded | Protection degree                   | IP68  |
| Number of poles             | 4       | Cable pole count                    | 7     |
| Number of contact sockets   | 4       | Connection thread                   | M12   |
| Pollution severity          | 3       | Fire behaviour                      | V-0   |
| Plugging cycles             | ≤ 50    | LED                                 | Yes   |
| LED initiator               | Yes     | LED colour for indicating operation | green |
| LED colour for I/O function | yellow  |                                     |       |

## Material data

|                          |                |                         |                    |
|--------------------------|----------------|-------------------------|--------------------|
| Housing main material    | PBT            | Material of distributor | Plastic            |
| Housing colour           | grey, RAL 7032 | Screw socket            | Nickel-plated CuZn |
| Contact material         | CuZn           | Contact surface         | Gold-plated        |
| Contact carrier material | PBT (UL 94 V0) |                         |                    |

## Technical data cable

|                 |   |                                   |  |
|-----------------|---|-----------------------------------|--|
| Bending cycles  | 2 Mio   | Bending radius, min., moving      | 10 x cable diameter                                |
| Colour coding   | blue, brown, yellow, grey, green, Green/yellow, white | Halogen                           | No   |
| Number of poles | 4   | O.D.                              | 7.5 mm   |
| Sheath material | PUR   | Sheathing colour                  | black  |
| Shielded        | No  | Wire cross section (Print/Online) | 4 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup> |
| Cable length    | 10 m  | Suitable for cable carriers       | Yes  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC002585    |
| ETIM 8.0    | EC002585    | ETIM 9.0    | EC002585    |
| ECLASS 9.0  | 27-44-01-08 | ECLASS 9.1  | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-08 | ECLASS 11.0 | 27-44-01-08 |
| ECLASS 12.0 | 27-44-01-08 | ECLASS 13.0 | 27-44-01-08 |

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

REACH SVHC

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**Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E92202

**Downloads**

|                  |  |
|------------------|--|
| Engineering Data | <a href="#">CAD data – STEP</a>  |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures        | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

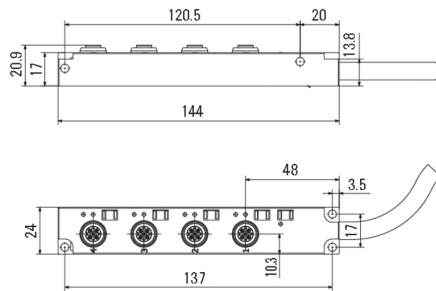
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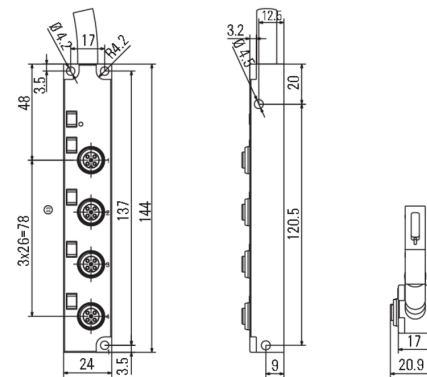
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

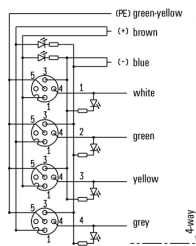
### Dimensioned drawing



### Dimensioned drawing



### Wiring diagram



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## Accessories

## 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.

## General ordering data

| Type       | SCREWTY SET -DM            | Version   | Packaging |
|------------|----------------------------|---|-----------|
| Order No.  | <a href="#">1920000000</a> | Cable gland tool for M8, M12 lines and connectors | Cardboard |
| GTIN (EAN) | 4032248436859              |   | box       |
| Qty.       | 1 pc(s).                   |   |           |

## Custom printing



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**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       | WS 10/5 MC SDR             | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1635010000</a> | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190456634              | Allen-Bradley, To customer specification                           |
| Qty.       | 144 pc(s).                 |  |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****M12**

Protective caps protect unassigned plug-in stations against external influences.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | SAI-SK-M12                 | Version  |
| Order No.  | <a href="#">9456050000</a> | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4008190304058              |  |
| Qty.       | 30 pc(s).                  |  |