

**SAI-04D-VPPP-5A-M120-1:1-EX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

Passive M12 distributors are available in all conceivable forms and configurations. Furthermore, a number of special versions, e.g. SAI distributors for EX zones or the ergonomic M8, are available only from Weidmüller. These innovative products are backed up by numerous proprietary rights.

**General ordering data**

|            |   |
|------------|---|
| Version    | Hood version Ex, M12, 30 V, A-coded, LED: No, LED initiator: No, Wiring type: 1:1 |
| Order No.  | <a href="#">2902950000</a>  |
| Type       | SAI-04D-VPPP-5A-M120-1:1-EX   |
| GTIN (EAN) | 4099986005556   |
| Qty.       | 1 pc(s).  |

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 60 mm   | Depth (inches)  | 2.362 inch |
| Height     | 41.5 mm | Height (inches) | 1.634 inch |
| Length     | 102 mm  | Length (inches) | 4.016 inch |
| Net weight | 250 g   |                 |            |

**Temperatures**

|                       |            |
|-----------------------|------------|
| Operating temperature | -40 - 60°C |
|-----------------------|------------|

**Connection data**

|                        |                      |                      |                     |
|------------------------|----------------------|----------------------|---------------------|
| Wire connection method | PUSH IN              | Cable glands         | M 20                |
| Clamping range, min.   | 0.14 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
| Distributor outlet     | Hood version Ex      |                      |                     |

**Electrical data**

|   |       |                     |       |
|---|-------|---------------------|-------|
| Rated voltage, min.                     | 0 V   | Rated voltage, max. | 30 V  |
| Max. current-carrying capacity per slot | 0.8 A | Total current       | 0.8 A |
| Current per signal                      | 0.8 A |                     |       |

**General technical data**

|                           |         |                   |            |
|---------------------------|---------|-------------------|------------|
| Plug-in station coding    | A-coded | Protection degree | IP66, IP67 |
| Surge voltage category    | III     | Number of poles   | 5          |
| Number of contact sockets | 4       | Connection thread | M12        |
| Pollution severity        | 3       | Fire behaviour    | V-0        |
| Plugging cycles           | ≤ 50    | LED               | No         |
| LED initiator             | No      |                   |            |

**Material data**

|                      |                             |                          |                     |
|----------------------|-----------------------------|--------------------------|---------------------|
| Material O-Ring      | FKM                         | Housing main material    | Pocan               |
| Housing colour       | black (similar to RAL 9005) | Hood sealing material    | Polyurethane foamed |
| Screw socket         | Nickel-plated CuZn          | Contact material         | CuZn                |
| Contact surface      | Gold-plated                 | Contact carrier material | PBT (UL 94 V0)      |
| Cable gland material | Plastic                     |                          |                     |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | EC003558    | ETIM 9.0    | EC003558    |
| ECLASS 9.0  | 27-44-01-08 | ECLASS 9.1  | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-11 | ECLASS 11.0 | 27-44-01-11 |
| ECLASS 12.0 | 27-44-01-11 | ECLASS 13.0 | 27-44-01-11 |

**Important note**

Product information

Included in delivery:

- 2 x Protection cap M12
- 1 x Cable gland M20x1.5
- 1 x MultiCard ESG 9/20 Device marker

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## Technical data

### Approvals

Approvals



### Downloads

|  |   |
|--|---|
| Approval/Certificate/Document of Con-<br>formity | <a href="#">IECEx Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">CE Declaration of Conformity</a> |
| Engineering Data                                 | <a href="#">CAD data – STEP</a>   |
| Catalogues                                       | <a href="#">Catalogues in PDF-format</a>  |

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# Drawings

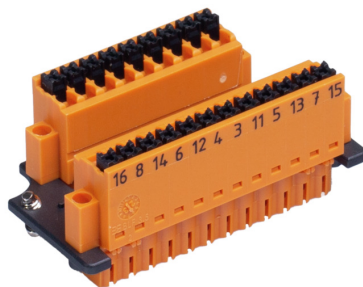
## Similar to illustration



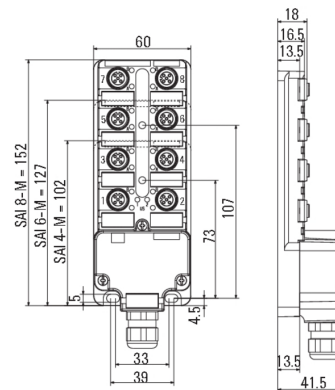
## Similar to illustration



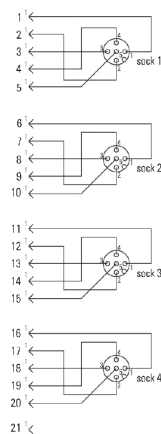
## Miscellaneous



## 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).                   |   |           |

## Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**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       | ESG 9/20 MC NE WS          | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1609940000</a> | ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable |
| GTIN (EAN) | 4008190203528              |  |
| Qty.       | 200 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-UNI 2029        | Version  |
| Order No.  | <a href="#">2330260000</a> | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4032248592067              |  |
| Qty.       | 20 pc(s).                  |  |

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|            |                            |
|------------|----------------------------|
| Type       | SAI-TS35 MF                |
| Order No.  | <a href="#">1917400000</a> |
| GTIN (EAN) | 4032248551330              |
| Qty.       | 1 pc(s).                   |