

**SAI-4-M 5P M12 ECO****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    | Hood version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No.  | <a href="#">1892100000</a>   |
| Type       | SAI-4-M 5P M12 ECO   |
| GTIN (EAN) | 4032248505012  |
| Qty.       | 1 pc(s).   |

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## Technical data

## Dimensions and weights

|            |        |                |            |
|------------|--------|----------------|------------|
| Depth      | 102 mm | Depth (inches) | 4.016 inch |
| Net weight | 188 g  |                |            |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 90°C |
|-----------------------|------------|

## Connection data

|                      |                     |                      |                      |
|----------------------|---------------------|----------------------|----------------------|
| Cable glands         | M 20                | Clamping range, min. | 0.08 mm <sup>2</sup> |
| Clamping range, max. | 1.5 mm <sup>2</sup> | Storage space        | Standard             |
| Distributor outlet   | Hood version        |                      |                      |

## Electrical data

|                                |      |   |                   |
|--------------------------------|------|---|-------------------|
| Rated voltage, min.            | 10 V | Rated voltage, max.                     | 30 V              |
| Test voltage                   | 1 kV | Max. current-carrying capacity per slot | 4 A               |
| Total current                  | 10 A | Current per signal                      | 2 A               |
| Electrical isolation available | Yes  | Insulation strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                                     |         |                             |        |
|-------------------------------------|---------|-----------------------------|--------|
| Plug-in station coding              | A-coded | Protection degree           | IP68   |
| Number of poles                     | 5       | 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 | Pocan          | Material of distributor  | Plastic        |
| Housing colour        | grey, RAL 7032 | Hood sealing material    | Viton          |
| Screw socket          | Pocan          | Contact material         | CuZn           |
| Contact surface       | Gold-plated    | Contact carrier material | PBT (UL 94 V0) |

## Technical data cable

|                 |   |                             |    |
|-----------------|---|-----------------------------|----|
| Number of poles | 5 | Suitable for cable carriers | No |
|-----------------|---|-----------------------------|----|

## 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 |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E141197

**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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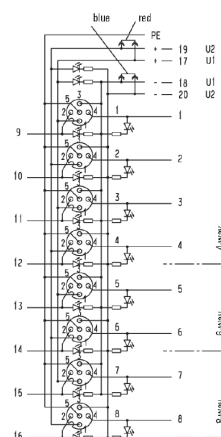
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# Drawings

## Dimensioned drawing



## Wiring diagram



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## 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).                  |  |

## 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 box |
| GTIN (EAN) | 4032248436859              |   |               |
| Qty.       | 1 pc(s).                   |   |               |

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