Data sheet

# SAI-8-M 4P M12 EX IA

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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: Yes, LED initiator: , Wiring type: |
| Order No. | 1896080000 |
| Type | SAI-8-M 4P M12 EX IA |
| GTIN (EAN) | 4032248511037 |
| Qty. | 1 items |
| Delivery status | Discontinued |
| Last order date | 2024-06-29T00:00:00+02:00 |
| Alternative product | SAI-08D-VPPP-5A-M12O-OL2-EX |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals |   |
| ROHS | Conform |

### Dimensions and weights

| | |
|---|---|
| Net weight | 276 g |

### Temperatures

| | |
|---|---|
| Operating temperature | -20 - 80 |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### Connection data

| | | | |
|---|---|---|---|
| Conductor cross-section (rated connection), min. | 0.1 mm² | Conductor cross-section (rated connection), max. | 1.5 mm² |
| Storage space | Standard | Distributor outlet | Hood version Ex |
| Connection type PE | Screw connection | | |

### Electrical data

| | | | |
|---|---|---|---|
| Rated voltage, min. | 10 V | Rated voltage, max. | 30 V |
| Test voltage | 1 kV | Max. current-carrying capacity per slot | 100 mA |
| Total current | 2.3 A | Current per signal | 100 mA |
| Insulation resistance | 109 Ω | | |

### General technical data

| | | | |
|---|---|---|---|
| Protection degree | IP68 | Plug-in station coding | A-coded |
| Number of poles | 4 | Number of contact sockets | 8 |
| Connection thread | M12 | Pollution severity | 3 |
| Fire behaviour | V-0 | Plugging cycles | ≤ 50 |
| LED | 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 | Nickel-plated CuZn | Contact material | CuZn |
| Contact surface | Gold-plated | Contact carrier material | PBT (UL 94 V0) |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC003558 | ETIM 9.0 | EC003558 |
| ETIM 10.0 | EC003558 | ECLASS 14.0 | 27-44-01-11 |
| ECLASS 15.0 | 27-44-01-11 | | |

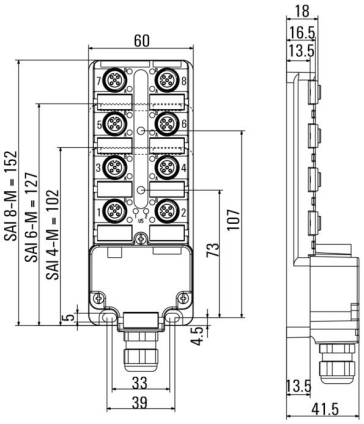
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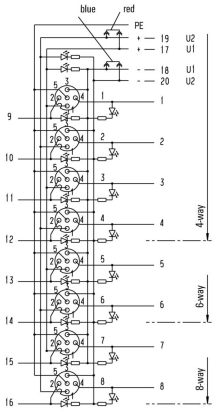
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## Drawings

### 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. | 9456050000 | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4008190304058 | |
| Qty. | 30 ST | |

### 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 |
| Order No. | 1920000000 | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436859 | |
| Qty. | 1 ST | |

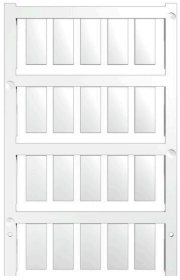
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## Accessories

### 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. | 1609940000 | ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable |
| GTIN (EAN) | 4008190203528 | |
| Qty. | 200 ST | |