

**SAI-8-M 4P IDC PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

- The compact IDC system cuts production, installation and maintenance work.
- Knurled metal nuts ensure sturdy, secure handling with little effort.
- The IDC distributors have the same dimensions as the standard SAI distributors. They are compatible with the standard SAI distributors.
- 3-pole version with 1 I/O signal per slot and 4-pole version with 2 I/O signals per slot,
- individual assembly of the sensor/actuator cables on the spot,
- reliable and fast connection thanks to IDC connecting element,
- IP67 class of protection.

**General ordering data**

|            |   |
|------------|---|
| Version    | Hood version, IDC, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No.  | <a href="#">1804540000</a>  |
| Type       | SAI-8-M 4P IDC PE   |
| GTIN (EAN) | 4032248265978   |
| Qty.       | 1 pc(s).  |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 152 mm  | Depth (inches)  | 5.984 inch |
| Height     | 41.5 mm | Height (inches) | 1.634 inch |
| Width      | 60 mm   | Width (inches)  | 2.362 inch |
| Net weight | 274 g   |                 |            |

## Temperatures

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

## Connection data

|  |                      |                      |                     |
|--|----------------------|----------------------|---------------------|
| Conductor O.D., min.                   | 1.2 mm               | Conductor O.D., max. | 1.6 mm              |
| Clamping range, min.                   | 0.08 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
| max. connection of equal cross-section | 10                   | Storage space        | Standard            |
| Distributor outlet                     | Hood version, IDC    |                      |                     |

## 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                   | IP67  |
| Number of poles             | 4       | Number of contact sockets           | 8     |
| Connection thread           | M12     | Pollution severity                  | 2     |
| Fire behaviour              | V-0     | 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          | Nickel-plated CuZn | Contact material         | CuZn           |
| Contact surface       | Gold-plated        | Contact carrier material | PBT (UL 94 V0) |

## Technical data cable

|                      |        |                             |        |
|----------------------|--------|-----------------------------|--------|
| Conductor O.D., max. | 1.6 mm | Conductor O.D., min.        | 1.2 mm |
| Number of poles      | 4      | 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****Environmental Product Compliance**

REACH SVHC

Lead 7439-92-1

**Approvals**

ROHS

Conform

**Downloads**

Catalogues

[Catalogues in PDF-format](#)

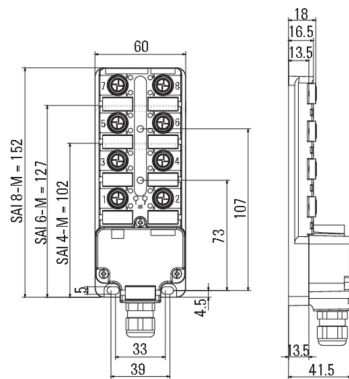
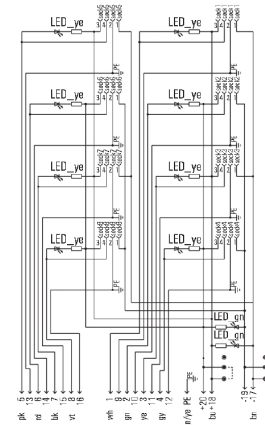
Brochures

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**Drawings****Dimensioned drawing****Wiring diagram**

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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.  | <a href="#">1609940000</a> | ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable |  |
| GTIN (EAN) | 4008190203528              |  |  |
| Qty.       | 200 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****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).                  |  |