

SAI-8-MHD-5P M12**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Cable gland: M25 for cables with an outer insulation diameter from 13 mm to 18 mm. The SAI distributor with M25 cable gland is suitable among others for the following cable types:

- 21 x 0.50 mm
- 18 x 0.75 mm bis 21 x 0.75 mm
- 14 x 100 mm bis 20 x 100 mm
- 8 x 1.50 mm bis 16 x 1.50 mm

General ordering data

| | |
|------------|--|
| Version | Hood version with M25 outlet, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No. | 1701253000 |
| Type | SAI-8-MHD-5P M12 |
| GTIN (EAN) | 4032248184521 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 152 mm | Depth (inches) | 5.984 inch |
| Height | 55 mm | Height (inches) | 2.165 inch |
| Width | 60 mm | Width (inches) | 2.362 inch |
| Net weight | 574 g | | |

Temperatures

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

Connection data

| | | | |
|----------------------|------------------------------|----------------------|----------------------|
| Conductor O.D., min. | 14 mm | Conductor O.D., max. | 18 mm |
| Cable glands | M 25 | Clamping range, min. | 0.08 mm ² |
| Clamping range, max. | 1.5 mm ² | Storage space | gross |
| Distributor outlet | Hood version with M25 outlet | | |

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 ⁹ Ω |

General technical data

| | | | |
|-------------------------------------|---------|-----------------------------|--------|
| Plug-in station coding | A-coded | Protection degree | IP68 |
| Number of poles | 5 | Number of contact sockets | 8 |
| 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 (base module), Zinc diecast (hood) | Material of distributor | metal |
| Housing colour | silver | Hood sealing material | Polyurethane foamed |
| 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. | 18 mm | Conductor O.D., min. | 14 mm |
| 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 |
| ECLASS 14.0 | 27-44-01-11 | | |

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www.weidmueller.com**Technical data****Environmental Product Compliance**

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

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

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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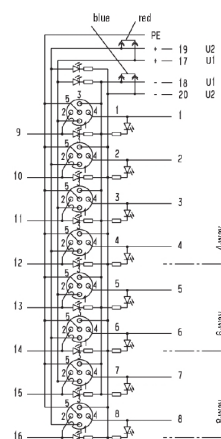
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Drawings

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. | 1920000000 | Cable gland tool for M8, M12 lines and connectors | Cardboard |
| GTIN (EAN) | 4032248436859 | | box |
| Qty. | 1 pc(s). | | |

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 pc(s). | |

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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 8/20 K MC NE WS | Version |
| Order No. | 2558360000 | ESG, Device markers x 20 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569070 | |
| Qty. | 200 pc(s). | |