

SAI-8-F 4P PUR 5M**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 | Fixed cable version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 5 m |
| Order No. | 9456750000 |
| Type | SAI-8-F 4P PUR 5M |
| GTIN (EAN) | 4008 190304744 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E141197

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 152 mm | Depth (inches) | 5.9842 inch |
| Height | 25 mm | Height (inches) | 0.9842 inch |
| Width | 60 mm | Width (inches) | 2.3622 inch |
| Net weight | 693 g | | |

Temperatures

Operating temperature -20 - 80°C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Connection data

Sheathing stripping length 100 mm Distributor outlet Fixed cable 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 | 9 A | Current per signal | 2 A |
| Electrical isolation available | No | 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 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

| | | | |
|-----------------|--------|------------------|-------|
| Number of poles | 4 | Sheathing colour | black |
| O.D. | 8.2 mm | Shielded | No |

Creation date 24.02.2026 08:51:28 MEZ

Catalogue status / Drawings

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Technical data

| | | | |
|-----------------|-------|-----------------------------------|---------------------------------------------------------------------------------|
| Halogen | No | Bending radius, min., moving | 10 x cable diameter |
| Bending cycles | 2 Mio | Wire cross section (Print/Online) | 8 x 0.34 mm ² + 3 x 1.0 mm ² |
| Sheath material | PUR | Colour coding | white, black, green, yellow, grey, pink, violet, red, blue, brown, Green/yellow |
| Cable length | 5 m | Suitable for cable carriers | Yes |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002585 | ETIM 9.0 | EC002585 |
| ETIM 10.0 | EC002585 | ECLASS 14.0 | 27-44-01-08 |
| ECLASS 15.0 | 27-44-01-08 | | |

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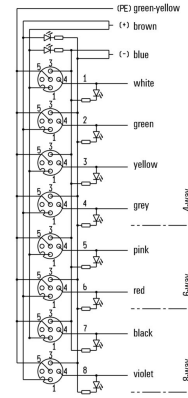
Drawings

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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 | | |