

SAI-4-F 4P M12 L 10M

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, 10 m |
| Order No. | 1070660000 |
| Type | SAI-4-F 4P M12 L 10M |
| GTIN (EAN) | 4032248826858 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E92202

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 144 mm | Depth (inches) | 5.6693 inch |
| Height | 18.2 mm | Height (inches) | 0.7165 inch |
| Net weight | 919 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 | 3 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 | Cable pole count | 7 |
| 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 | PBT | Material of distributor | Plastic |
| Housing colour | grey, RAL 7032 | 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. | 7.5 mm | Shielded | No |

Creation date 25.02.2026 08:39:45 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) | 4 x 0.34 mm ² + 3 x 1.0 mm ² |
| Sheath material | PUR | Colour coding | blue, brown, yellow, grey, green, Green/yellow, white |
| Cable length | 10 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 | | |

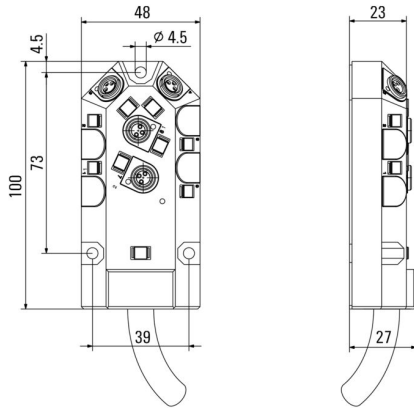
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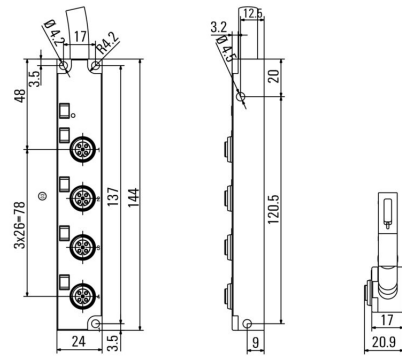
www.weidmueller.com

Drawings

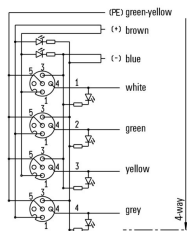
Dimensioned drawing



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

Custom printing



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | WS 10/5 MC SDR | Version |
| Order No. | 1635010000 | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190456634 | Allen-Bradley, To customer specification |
| Qty. | 144 ST | |