Data sheet

# SAI-4-F 5P M12 L 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. | 1070630000 |
| Type | SAI-4-F 5P M12 L 5M |
| GTIN (EAN) | 4032248826827 |
| 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 | 594 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 | 5 | 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 | 5 | Sheathing colour | black |
| O.D. | 8.2 mm | Shielded | No |



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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 mm² + 3 x 1.0 mm² |
| Sheath material | PUR | Colour coding | white, green, yellow, grey, grey / pink, red / blue, white / green, brown / green, 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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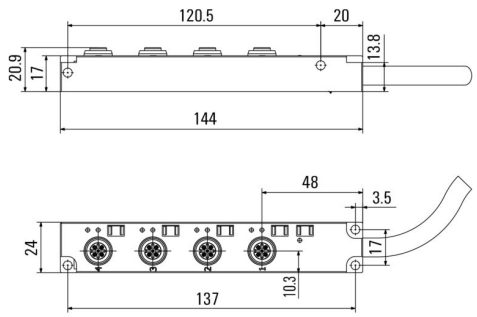
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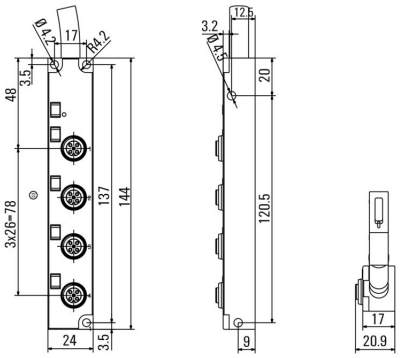
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## Drawings

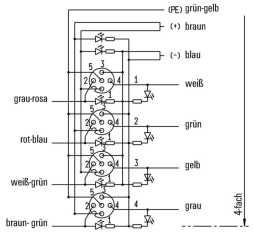
### Dimensioned drawing




### 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 | |



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