Data sheet

# SAI-06L-VPFC-4A-M08L-PNP-10U05

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



The new slim M8 line from Weidmüller. This range of products is characterised by the marking options at all connection positions. Even the 4-way distributor with 8-pole M12 has adequately large markers at all M8 connection positions. Furthermore, this distributor is shorter than many conventional M8 designs.

- Very narrow, short and flat M8 distributor.
- The range is supplied with 4 to 12 M8 connection positions, 3 or 4 poles.
- Hybrid variants of the M8 are also possible on request.
- The M8 line is equipped with transverse holes.

## General ordering data

| | |
|---|---|
| Version | Fixed cable version, M8, 30 V, , LED: Yes, LED initiator: Yes, Wiring type: PNP, 10 m |
| Order No. | 1849670000 |
| Type | SAI-06L-VPFC-4A-M08L-PNP-10U05 |
| GTIN (EAN) | 4032248376667 |
| 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 | 18.2 mm | Depth (inches) | 0.7165 inch |
| Height | 118 mm | Height (inches) | 4.6457 inch |
| Width | 24 mm | Width (inches) | 0.9449 inch |
| Net weight | 854.48 g | | |

### Temperatures

| | |
|---|---|
| Operating temperature | -25 - 80°C |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### Connection data

| | | | |
|---|---|---|---|
| Stripping length (sheathing) | 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 | 2 A |
| Total current | 6 A | Current per signal | 1 A |
| Electrical isolation available | No | Insulation resistance | 109 Ω |

### General technical data

| | | | |
|---|---|---|---|
| Protection degree | IP68 | Number of poles | 4 |
| Number of contact sockets | 6 | Connection thread | M8 |
| Pollution severity | 3 | Fire behaviour | V-0 |
| LED | Yes | LED initiator | Yes |
| LED colour for indicating operation | green | LED colour for I/O function | yellow |

### Material data

| | | | |
|---|---|---|---|
| Material O-Ring | FKM | Housing main material | PBT |
| Material of distributor | Plastic | Housing colour | black (similar to RAL 9005) |
| 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. | 7.7 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) | 12 x 0.34 mm² + 2 x 0.75 mm² |
| Sheath material | PUR | 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 | | |

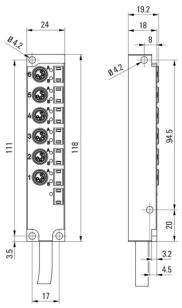
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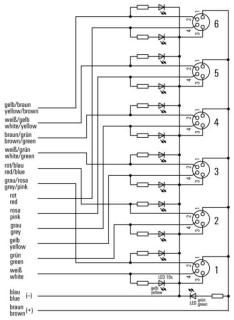
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## Drawings

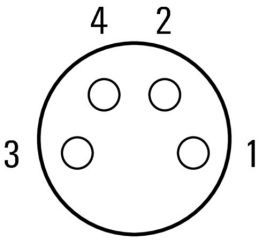
### Dimensioned drawing




### Wiring diagram




### Pole scheme




M8

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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 |
| Order No. | 1920000000 | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436859 | |
| Qty. | 1 ST | |

### M8



Protective caps protect unassigned plug-in stations against external influences.

#### General ordering data

| | | |
|---|---|---|
| Type | SAI-SK M8 | Version |
| Order No. | 1802760000 | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4032248257379 | |
| Qty. | 50 ST | |

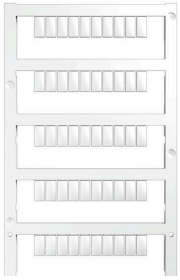
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## Accessories

### Blank



MultiFit is the Weidmüller marker system used for other makes of terminals. Similar to the Weidmüller Dekafix, the markers of the MultiFit family are available ready-for-use with standard printing.
We recommend to carry out a test with sample markers on the terminals used when using MultiFit for the first time.

- One marker, suitable for different makes of terminals.
- Ready-to-use markers with standard printing
- Blank markers for printing with the PrintJet CONNECT or Plotter
- Delivery of individually printed markers according to customer CAE data or specifications
- One marking system for all applications

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 | MFF 10/6 MC NE WS | Version |
| Order No. | 1856780000 | MultiFit, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Festo, |
| GTIN (EAN) | 4032248400881 | white |
| Qty. | 600 ST | |