

**SAI-08L-VPFC-3A-M08L-PNP-05U03****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 5 m |
| Order No.  | <a href="#">1828680000</a>                                                           |
| Type       | SAI-08L-VPFC-3A-M08L-PNP-05U03                                                       |
| GTIN (EAN) | 4032248335329                                                                        |
| Qty.       | 1 pc(s).                                                                             |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 18.2 mm | Depth (inches)  | 0.717 inch |
| Height     | 144 mm  | Height (inches) | 5.669 inch |
| Width      | 24 mm   | Width (inches)  | 0.945 inch |
| Net weight | 487 g   |                 |            |

## Temperatures

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

## 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 | 2 A               |
| Total current                  | 6 A  | Current per signal                      | 1 A               |
| Electrical isolation available | No   | Insulation strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                                     |       |                             |        |
|-------------------------------------|-------|-----------------------------|--------|
| Protection degree                   | IP68  | Number of poles             | 3      |
| Number of contact sockets           | 8     | 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

|                                   |                                                     |                              |                     |
|-----------------------------------|-----------------------------------------------------|------------------------------|---------------------|
| Bending cycles                    | 2 Mio                                               | Bending radius, min., moving | 10 x cable diameter |
| Halogen                           | No                                                  | Number of poles              | 3                   |
| O.D.                              | 7.4 mm                                              | Sheath material              | PUR                 |
| Sheathing colour                  | black                                               | Shielded                     | No                  |
| Wire cross section (Print/Online) | 8 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup> | Cable length                 | 5 m                 |
| Suitable for cable carriers       | Yes                                                 |                              |                     |

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## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC002585    |
| ETIM 8.0    | EC002585    | ETIM 9.0    | EC002585    |
| ETIM 10.0   | EC002585    | ECLASS 9.0  | 27-44-01-08 |
| ECLASS 9.1  | 27-44-01-08 | ECLASS 10.0 | 27-44-01-08 |
| ECLASS 11.0 | 27-44-01-08 | ECLASS 12.0 | 27-44-01-08 |
| ECLASS 13.0 | 27-44-01-08 | ECLASS 14.0 | 27-44-01-08 |
| ECLASS 15.0 | 27-44-01-08 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Certificate No. (cURus) | E92202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Downloads

|                             |                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                                                                                      |
| Product Change Notification | <a href="#">20211208 Technical change to SAI M8 Line Distribution Boxes</a><br><a href="#">20211208 Technische Änderung zu SAI M8 Line Verteiler</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                                                                                             |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a>                                                                               |

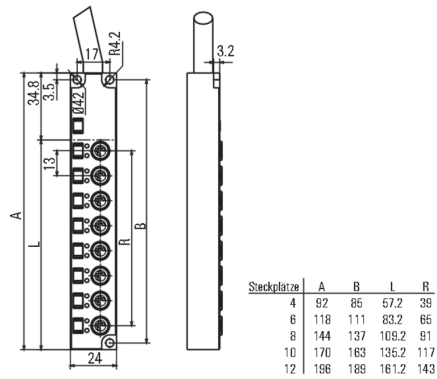
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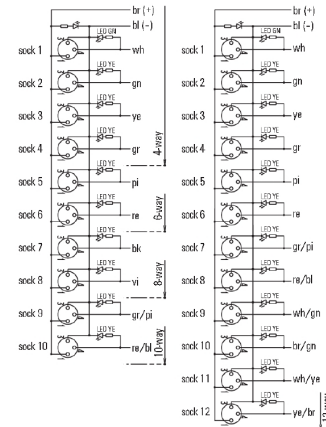
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## Drawings

## Dimensioned drawing



## Wiring diagram



## Pole scheme

