

**SAI-8-F 4P M8 L 10M****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    | SAI Passive, Sensor-actuator passive distributor, M8, Fixed cable version, 10 m, Yes |
| Order No.  | <a href="#">1828610000</a>                                                           |
| Type       | SAI-8-F 4P M8 L 10M                                                                  |
| GTIN (EAN) | 4032248335152                                                                        |
| 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 | 1,183 g |                 |            |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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  |
| Insulation strength | 10 <sup>9</sup> Ω |                                         |      |

## General technical data

|                                     |       |                             |        |
|-------------------------------------|-------|-----------------------------|--------|
| Protection degree                   | IP68  | Number of poles             | 4      |
| 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

|                          |                |                         |                    |
|--------------------------|----------------|-------------------------|--------------------|
| Housing main material    | Pocan          | 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

|                                   |                                                      |                              |                     |
|-----------------------------------|------------------------------------------------------|------------------------------|---------------------|
| Bending cycles                    | 2 Mio                                                | Bending radius, min., moving | 10 x cable diameter |
| Halogen                           | No                                                   | Number of poles              | 4                   |
| O.D.                              | 8.5 mm                                               | Sheath material              | PUR                 |
| Sheathing colour                  | black                                                | Shielded                     | No                  |
| Wire cross section (Print/Online) | 16 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup> | Cable length                 | 10 m                |
| Suitable for cable carriers       | Yes                                                  |                              |                     |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC002585    |
| ETIM 8.0    | 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 |             |             |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E92202  |

**Downloads**

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Engineering Data | <a href="#">STEP</a>                                                   |
| Engineering Data | <a href="#">WSCAD</a>                                                  |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures        | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

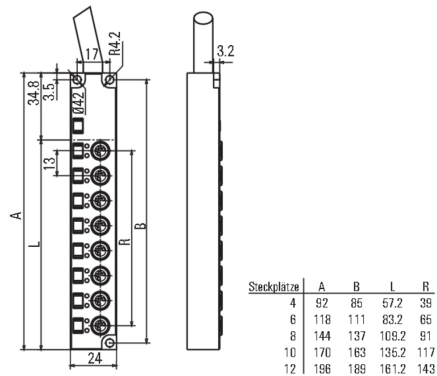
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## Drawings

### Dimensioned drawing



### Wiring

