

**SAI-8-F 3P M8 L 5M****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, 5 m, Yes |
| Order No.  | <a href="#">1828680000</a>                                                          |
| Type       | SAI-8-F 3P M8 L 5M                                                                  |
| 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 |
| Net weight     | 487 g      | Width           | 24 mm      |
| Width (inches) | 0.945 inch |                 |            |

## 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             | 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

|                          |                |                         |                    |
|--------------------------|----------------|-------------------------|--------------------|
| 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              | 3                   |
| O.D.                        | 7.4 mm                                              | Sheath material              | PUR                 |
| Sheathing colour            | black                                               | Shielded                     | No                  |
| Wire cross section          | 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                                                 |                              |                     |

## Classifications

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

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## Technical data

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

|                       |        |
|-----------------------|--------|
| UL File Number Search | E92202 |
|-----------------------|--------|

### Downloads

|                  |                      |
|------------------|----------------------|
| Engineering Data | <a href="#">STEP</a> |
|------------------|----------------------|

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">EPLAN, WSCAD, Zuken E3.S</a> |
|------------------|------------------------------------------|

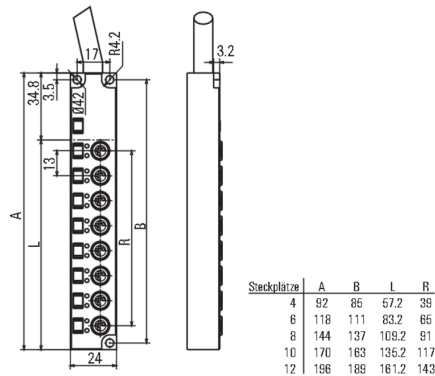
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## Drawings

### Dimensioned drawing



### Wiring diagram

