

**SAI-8-F 3P M8 PUR 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="#">1784620000</a>                                                          |
| Type                | SAI-8-F 3P M8 PUR 5M                                                                |
| GTIN (EAN)          | 4032248191437                                                                       |
| Qty.                | 1 pc(s).                                                                            |
| Delivery status     | <b>This article will no longer be available in the future.</b>                      |
| Available until     | 2022-09-30                                                                          |
| Alternative product | <a href="#">1828680000</a>                                                          |

Creation date September 16, 2022 11:19:24 AM CEST

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 100 mm | Depth (inches)  | 3.937 inch |
| Height     | 27 mm  | Height (inches) | 1.063 inch |
| Width      | 48 mm  | Width (inches)  | 1.89 inch  |
| Net weight | 522 g  |                 |            |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 80°C |
|-----------------------|------------|

## Environmental Product Compliance

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

## Connection data

|                    |                     |
|--------------------|---------------------|
| 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                  | 8 A  | Current per signal                      | 2 A               |
| Electrical isolation available | Yes  | 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                                 |
| Colour coding   | white, black, violet, red, pink, yellow, grey, green, blue, brown | 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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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 | ECLASS 12.0 | 27-44-01-08 |

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E92202     |

**Downloads**

|                             |                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                                                                                      |
| Engineering Data            | <a href="#">WSCAD</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>                                                                               |