

**SAI-8-F 5P PUR 5M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



M12 distributors are available in various versions. The 4, 6 or 8 M12 slots are in 4 or 5 pole design. The group outlet is designed as a fixed cable version, hood version for connection by the user, or with M23. Special versions are also available. For instance, there are 1-to-1 distributors for use with any connection types, or distributors approved for Ex Zone 1.

**General ordering data**

|            |   |
|------------|---|
| Version    | Sensor-actuator passive distributor, M12, Fixed cable version, 5 m, Yes |
| Order No.  | <a href="#">9456890000</a>  |
| Type       | SAI-8-F 5P PUR 5M   |
| GTIN (EAN) | 4008 190347604  |
| Qty.       | 1 pc(s).  |

Creation date March 17, 2023 9:16:59 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 152 mm | Depth (inches)  | 5.984 inch |
| Height     | 25 mm  | Height (inches) | 0.984 inch |
| Width      | 60 mm  | Width (inches)  | 2.362 inch |
| Net weight | 884 g  |                 |            |

## Temperatures

|                             |            |                             |        |
|-----------------------------|------------|-----------------------------|--------|
| Operating temperature       | -20 - 80°C | Operating temperature, min. | -20 °C |
| Operating temperature, max. | 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 | 4 A               |
| Total current                  | 9 A  | Current per signal                      | 2 A               |
| Electrical isolation available | No   | Insulation strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                                     |       |                             |        |
|-------------------------------------|-------|-----------------------------|--------|
| Plug-in station coding              | A     | Protection degree           | IP68   |
| Number of poles                     | 5     | Number of contact sockets   | 8      |
| Connection thread                   | M12   | Pollution severity          | 3      |
| Fire behaviour                      | V-0   | Plugging cycles             | ≤ 50   |
| 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     | Hood sealing material    | Viton          |
| 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, green, yellow, grey, pink, red, brown, blue, Green/yellow, black, violet, grey / pink, red / blue, white / green, brown / green, white / yellow, Yellow / brown, white / grey, grey / brown | Halogen                           | No  |
| Number of poles | 5  | O.D.                              | 9.7 mm  |
| Sheath material | PUR  | Sheathing colour                  | black   |
| Shielded        | No   | Wire cross section (Print/Online) | 16 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup> |
| Cable length    | 5 m  | Suitable for cable carriers       | Yes   |

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**Data sheet**

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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 |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E141197    |

**Downloads**

|                  |  |
|------------------|--|
| Engineering Data | <a href="#">CAD data – 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 diagram**

