

**SAI-8-F 4P PUR 10M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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**

|            |                                                                          |
|------------|--------------------------------------------------------------------------|
| Type       | SAI-8-F 4P PUR 10M                                                       |
| Order No.  | <a href="#">9456760000</a>                                               |
| Version    | Sensor-actuator passive distributor, M12, Fixed cable version, 10 m, Yes |
| GTIN (EAN) | 4008190304751                                                            |
| Qty.       | 1 pc(s).                                                                 |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Height     | 25 mm   | Height (inches) | 0.984 inch |
| Depth      | 152 mm  | Depth (inches)  | 5.984 inch |
| Net weight | 1,175 g |                 |            |

## Temperatures

|                                   |            |                                   |        |
|-----------------------------------|------------|-----------------------------------|--------|
| Operating temperature range, max. | 80 °C      | Operating temperature range, min. | -20 °C |
| Operating temperature, max.       | 80 °C      | Operating temperature, min.       | -20 °C |
| Operating temperature             | -20 - 80°C |                                   |        |

## Environmental Product Compliance

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

## Connection data

|                            |        |                    |                     |
|----------------------------|--------|--------------------|---------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | Fixed cable version |
|----------------------------|--------|--------------------|---------------------|

## Standards

|                       |          |                         |         |
|-----------------------|----------|-------------------------|---------|
| Certificate No. (CSA) | 53975-21 | Certificate No. (cURus) | E141197 |
|-----------------------|----------|-------------------------|---------|

## 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                     | 4     | 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) |

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## Technical data

## Technical data cable

|                              |                                                                                 |                             |                                                    |
|------------------------------|---------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|
| Cable length                 | 10 m                                                                            | Suitable for cable carriers | Yes                                                |
| Number of poles              | 4                                                                               | Wire cross section          | 8 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup> |
| O.D.                         | 8.2 mm                                                                          | Shielded                    | No                                                 |
| Colour coding                | white, black, green, yellow, grey, pink, violet, red, blue, brown, Green/yellow | Sheath material             | PUR                                                |
| Sheathing colour             | black                                                                           | Halogen                     | No                                                 |
| Bending radius, min., moving | 10 x cable diameter                                                             | Bending cycles              | 2 Mio                                              |

## 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 | UNSPSC     | 30-21-18-01 |

## Approvals

Approvals



ROHS

Conform

## Downloads

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 8 SAI 15/16 EN</a><br><a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                |

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# Drawings

## Dimensioned drawing



## Wiring diagram

