

**SAI-4-F 4P PUR 20M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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-4-F 4P PUR 20M                                                       |
|------------|--------------------------------------------------------------------------|
| Order No.  | <a href="#">9456230000</a>                                               |
| Version    | Sensor-actuator passive distributor, M12, Fixed cable version, 20 m, Yes |
| GTIN (EAN) | 4008190304225                                                            |
| Qty.       | 1 pc(s).                                                                 |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Length     | 102 mm  | Length (inches) | 4.016 inch |
| Height     | 25 mm   | Height (inches) | 0.984 inch |
| Net weight | 1,749 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. (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

|                             |        |                                     |       |
|-----------------------------|--------|-------------------------------------|-------|
| Protection degree           | IP68   | No. of poles                        | 4     |
| Number of contact sockets   | 4      | 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                 | 20 m                                                  | Suitable for cable carriers | Yes                                                 |
| No. of poles                 | 4                                                     | Wire cross section          | 16 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup> |
| O.D.                         | 7.5 mm                                                | Shielded                    | No                                                  |
| Colour coding                | white, grey, green, yellow, 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 3.0   | EC001856    | ETIM 4.0   | EC002585    |
| ETIM 5.0   | EC002585    | ETIM 6.0   | EC002585    |
| UNSPSC     | 30-21-18-01 | eClass 6.2 | 27-27-92-19 |
| eClass 7.1 | 27-06-91-90 | eClass 8.1 | 27-06-91-90 |
| eClass 9.0 | 27-44-01-08 | eClass 9.1 | 27-44-01-08 |

## 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="#">WSCAD</a>                                                   |

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# Drawings

## Dimensioned drawing



## Wiring diagram

