

**SAI-4/6/8-MHF 5P PUR 6M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Hood version, 6 m, No |
| Order No.  | <a href="#">1791460600</a>                                 |
| Type       | SAI-4/6/8-MHF 5P PUR 6M                                    |
| GTIN (EAN) | 4032248221271                                              |
| Qty.       | 1 pc(s).                                                   |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 59.2 mm | Depth (inches)  | 2.331 inch |
| Height     | 32.5 mm | Height (inches) | 1.28 inch  |
| Net weight | 898 g   |                 |            |

## Temperatures

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

## Environmental Product Compliance

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

## Connection data

|              |      |                    |              |
|--------------|------|--------------------|--------------|
| Cable glands | M 20 | Distributor outlet | Hood version |
|--------------|------|--------------------|--------------|

## Electrical data

|                                         |      |                     |      |
|-----------------------------------------|------|---------------------|------|
| Rated voltage, min.                     | 10 V | Rated voltage, max. | 30 V |
| Max. current-carrying capacity per slot | 4 A  | Total current       | 10 A |

## General technical data

|                    |      |                 |    |
|--------------------|------|-----------------|----|
| Protection degree  | IP68 | Number of poles | 5  |
| Pollution severity | 3    | LED             | No |

## Material data

|                       |                |                          |                |
|-----------------------|----------------|--------------------------|----------------|
| Housing main material | Pocan          | Material of distributor  | Plastic        |
| Housing colour        | grey, RAL 7032 | 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, black, violet, grey / pink, red / blue, white / green, white / yellow, Yellow / brown, white / grey, grey / brown, blue, Green/yellow | 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    | 6 m                                                                                                                                                                                 | Suitable for cable carriers       | Yes                                                 |

## 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 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

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

## Pinning

|    |                                                                                   |              |
|----|-----------------------------------------------------------------------------------|--------------|
| 1  |  | white        |
| 2  |  | green        |
| 3  |  | yellow       |
| 4  |  | grey         |
| 5  |  | pink         |
| 6  |  | red          |
| 7  |  | black        |
| 8  |  | violet       |
| 9  |  | grey/pink    |
| 10 |  | red/blue     |
| 11 |  | white/green  |
| 12 |  | brown/green  |
| 13 |  | white/yellow |
| 14 |  | yellow/brown |
| 15 |  | white/grey   |
| 16 |  | grey/brown   |
| 17 |  | brown        |
| 18 |  | blue         |
| 19 |  | red          |
| 20 |  | black        |
| 21 |  | green/yellow |