

**SAI-6-S 5P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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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-6-S 5P M12                                                          |
| Order No.  | <a href="#">9456010001</a>                                              |
| Version    | Sensor-actuator passive distributor, M12, with M23 outlet, 19-pole, Yes |
| GTIN (EAN) | 4032248210244                                                           |
| Qty.       | 1 pc(s).                                                                |

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 203 g |
|------------|-------|

## Temperatures

|                                   |            |                                   |        |
|-----------------------------------|------------|-----------------------------------|--------|
| Operating temperature range, max. | 90 °C      | Operating temperature range, min. | -20 °C |
| Operating temperature, max.       | 90 °C      | Operating temperature, min.       | -20 °C |
| Operating temperature             | -20 - 90°C |                                   |        |

## Environmental Product Compliance

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

## Connection data

|                            |        |                    |                          |
|----------------------------|--------|--------------------|--------------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | with M23 outlet, 19-pole |
|----------------------------|--------|--------------------|--------------------------|

## 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        | 10 A              | Current per signal                      | 2 A  |
| Insulation strength  | 10 <sup>9</sup> Ω |                                         |      |

## General technical data

|                             |        |                                     |       |
|-----------------------------|--------|-------------------------------------|-------|
| Protection degree           | IP68   | No. of poles                        | 5     |
| Number of contact sockets   | 6      | 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

|              |   |
|--------------|---|
| No. of poles | 5 |
|--------------|---|

## Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001856    | ETIM 4.0   | EC002585    |
| ETIM 5.0   | EC002585    | ETIM 6.0   | EC002585    |
| UNSPSC     | 43-17-27-10 | eClass 5.1 | 27-25-03-91 |
| eClass 6.2 | 27-24-26-91 | eClass 7.1 | 27-24-26-91 |
| eClass 8.1 | 27-24-26-91 | eClass 9.0 | 27-44-01-08 |
| eClass 9.1 | 27-44-01-08 |            |             |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Brochure/Catalogue

[CAT 8 SAI 15/16 EN](#)  
[FL FIELDWIRING EN](#)

Engineering Data

[WSCAD](#)

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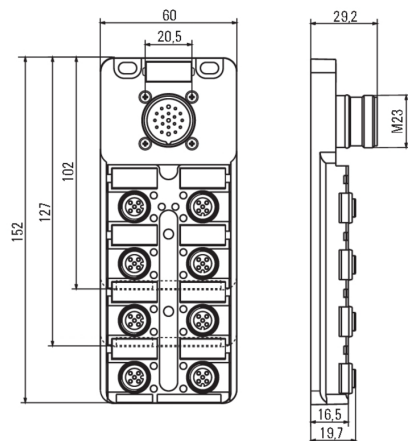
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# Drawings

## Dimensioned drawing



## Wiring diagram

