

**SAI-8-M 5P M12 NPN****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    | SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes |
| Order No.  | <a href="#">1781060000</a>                                               |
| Type       | SAI-8-M 5P M12 NPN                                                       |
| GTIN (EAN) | 4032248169405                                                            |
| Qty.       | 1 pc(s).                                                                 |

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 276 g |
|------------|-------|

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 90°C |
|-----------------------|------------|

## Environmental Product Compliance

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

## Connection data

|                            |                      |                      |                     |
|----------------------------|----------------------|----------------------|---------------------|
| Conductor O.D., min.       | 6 mm                 | Conductor O.D., max. | 12 mm               |
| Sheathing stripping length | 100 mm               | Cable glands         | M 20                |
| Clamping range, min.       | 0.08 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
| Storage space              | Standard             | Distributor outlet   | Hood version        |
| Connection type PE         | Screw connection     |                      |                     |

## 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               |
| Electrical isolation available | Yes  | 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

|                      |       |                             |      |
|----------------------|-------|-----------------------------|------|
| Conductor O.D., max. | 12 mm | Conductor O.D., min.        | 6 mm |
| Number of poles      | 5     | Suitable for cable carriers | No   |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ECLASS 9.0  | 27-44-01-08 | ECLASS 9.1  | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-11 | ECLASS 11.0 | 27-44-01-11 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Engineering Data

[STEP](#)

Engineering Data

[WSCAD](#)

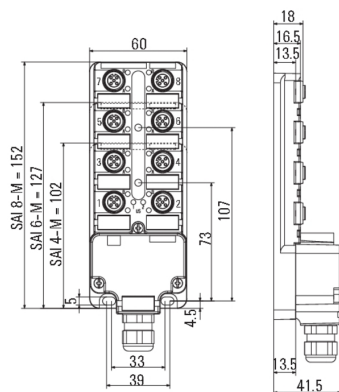
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# Drawings

## Dimensioned drawing



## Wiring diagram

