

**SAI-6-M 4P M12 EX IA****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Passive M12 distributors are available in all conceivable forms and configurations. Furthermore, a number of special versions, e.g. SAI distributors for EX zones or the ergonomic M8, are available only from Weidmüller. These innovative products are backed up by numerous proprietary rights.

**General ordering data**

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Version         | Hood version Ex, M12, 30 V, A-coded, LED: Yes, LED initiator: , Wiring type: |
| Order No.       | <a href="#">1896060000</a>                                                   |
| Type            | SAI-6-M 4P M12 EX IA                                                         |
| GTIN (EAN)      | 4032248511013                                                                |
| Qty.            | 1 pc(s).                                                                     |
| Delivery status | <b>Discontinued</b>                                                          |
| Available until | 2022-12-31                                                                   |

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 258 g |
|------------|-------|

## Temperatures

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

## Connection data

|                      |                     |                      |                     |
|----------------------|---------------------|----------------------|---------------------|
| Clamping range, min. | 0.1 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
| Storage space        | Standard            | Distributor outlet   | Hood version Ex     |
| 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 | 100 mA |
| Total current       | 2.3 A             | Current per signal                      | 100 mA |
| Insulation strength | 10 <sup>9</sup> Ω |                                         |        |

## General technical data

|                             |         |                                     |       |
|-----------------------------|---------|-------------------------------------|-------|
| Plug-in station coding      | A-coded | Protection degree                   | IP68  |
| Number of poles             | 4       | Number of contact sockets           | 6     |
| Connection thread           | M12     | Pollution severity                  | 3     |
| Fire behaviour              | V-0     | Plugging cycles                     | ≤ 50  |
| LED                         | 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) |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | EC003558    | ETIM 9.0    | EC003558    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-44-01-11 |
| ECLASS 13.0 | 27-44-01-11 | ECLASS 14.0 | 27-44-01-11 |
| ECLASS 15.0 | 27-44-01-11 |             |             |

## Environmental Product Compliance

|                        |                       |
|------------------------|-----------------------|
| RoHS Compliance Status | Compliant             |
| REACH SVHC             | No SVHC above 0.1 wt% |

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Approvals

**ATEX - KEMA**

Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319243/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319243/-T1z1mm-S800/)

ROHS

Conform

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Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

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# Drawings

## Dimensioned drawing



## Wiring diagram

