

**SAI-4-M-MVV-M12 1:1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

**General ordering data**

|            |                                           |
|------------|-------------------------------------------|
| Version    | Power distributor, M12, Hood version, Yes |
| Order No.  | <a href="#">2009620000</a>                |
| Type       | SAI-4-M-MVV-M12 1:1                       |
| GTIN (EAN) | 4050118396041                             |
| Qty.       | 1 pc(s).                                  |

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 100 g |
|------------|-------|

## Temperatures

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

## Environmental Product Compliance

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

## Connection data

|                            |                     |                      |                     |
|----------------------------|---------------------|----------------------|---------------------|
| Conductor O.D., min.       | 10 mm               | Conductor O.D., max. | 14 mm               |
| Sheathing stripping length | 40 mm               | Cable glands         | M 20                |
| Clamping range, min.       | 0.2 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, max.            | 400 V | Max. current-carrying capacity per slot | 36 A |
| Total current                  | 144 A | Current per signal                      | 12 A |
| Electrical isolation available | No    |                                         |      |

## General technical data

|                        |     |                                     |      |
|------------------------|-----|-------------------------------------|------|
| Plug-in station coding | S   | Protection degree                   | IP68 |
| Number of poles        | 4   | Number of contact sockets           | 4    |
| Connection thread      | M12 | Pollution severity                  | 3    |
| Fire behaviour         | V-0 | Plugging cycles                     | ≥ 50 |
| LED                    | Yes | LED colour for indicating operation | No   |

## 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. | 14 mm | Conductor O.D., min. | 10 mm |
| Number of poles      | 4     |                      |       |

## 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

[EPLAN, WSCAD](#)

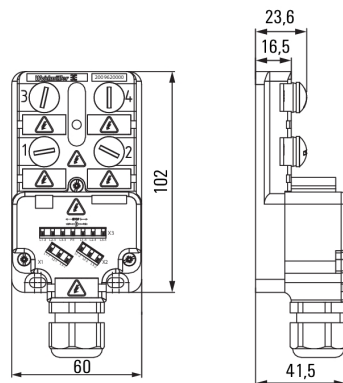
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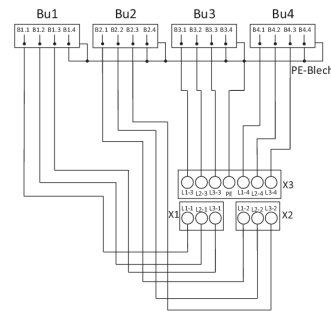
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## Drawings

### Dimensioned drawing



### Wiring diagram



### Dimensioned drawing

