

**SAI-4-MH-4P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Cable gland: M25 for cables with an outer insulation diameter from 13 mm to 18 mm. The SAI distributor with M25 cable gland is suitable among others for the following cable types:

- 21 x 0.50 mm
- 18 x 0.75 mm bis 21 x 0.75 mm
- 14 x 100 mm bis 20 x 100 mm
- 8 x 1.50 mm bis 16 x 1.50 mm

**General ordering data**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| Version    | SAI Passive, Sensor-actuator passive distributor, M12, Hood version with M20 outlet, Yes |
| Order No.  | <a href="#">1705922000</a>                                                               |
| Type       | SAI-4-MH-4P M12                                                                          |
| GTIN (EAN) | 4032248184446                                                                            |
| Qty.       | 1 pc(s).                                                                                 |

## SAI-4-MH-4P M12

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 102 mm | Depth (inches)  | 4.016 inch |
| Height     | 55 mm  | Height (inches) | 2.165 inch |
| Width      | 60 mm  | Width (inches)  | 2.362 inch |
| Net weight | 486 g  |                 |            |

## Temperatures

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

## Environmental Product Compliance

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

## Connection data

|                      |                              |                      |                      |
|----------------------|------------------------------|----------------------|----------------------|
| Conductor O.D., min. | 10 mm                        | Conductor O.D., max. | 14 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        | gross                |
| Distributor outlet   | Hood version with M20 outlet | 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      | 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 initiator               | Yes    | LED colour for indicating operation | green |
| LED colour for I/O function | yellow |                                     |       |

## Material data

|                       |                                          |                          |                     |
|-----------------------|------------------------------------------|--------------------------|---------------------|
| Housing main material | Pocan (base module), Zinc diecast (hood) | Material of distributor  | metal               |
| Housing colour        | silver                                   | Hood sealing material    | Polyurethane foamed |
| 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     | Suitable for cable carriers | No    |

**SAI-4-MH-4P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | 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 |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>                                        |
| Engineering Data | <a href="#">WSCAD</a>                                                  |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures        | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

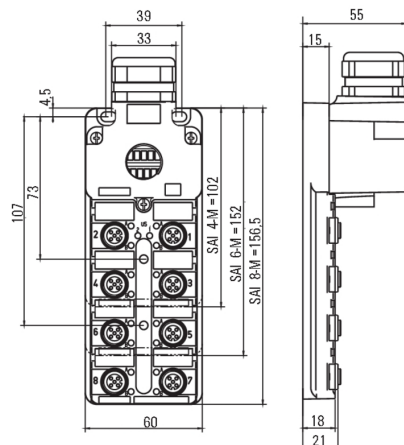
## SAI-4-MH-4P M12

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

# Drawings

## Dimensioned drawing



## Wiring diagram

