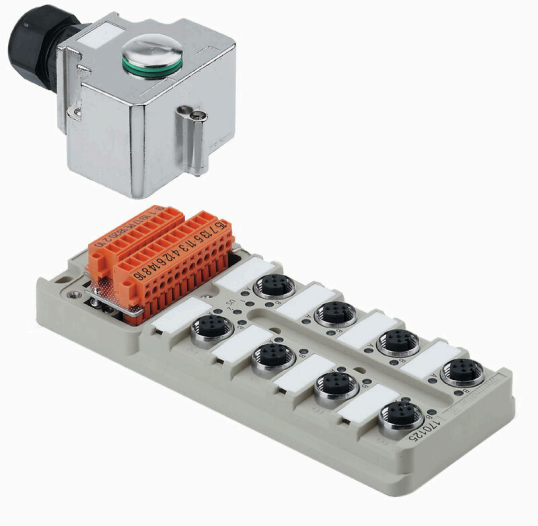
Data sheet

# SAI-8-MH-5P M12

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

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 | Hood version with M20 outlet, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No. | 1701252000 |
| Type | SAI-8-MH-5P M12 |
| GTIN (EAN) | 4032248184491 |
| Qty. | 1 items |

# Data sheet

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# Technical data

### Approvals

| | |
|---|---|
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 152 mm | Depth (inches) | 5.9842 inch |
| Height | 55 mm | Height (inches) | 2.1654 inch |
| Width | 60 mm | Width (inches) | 2.3622 inch |
| Net weight | 563 g | | |

### Temperatures

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

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### Connection data

| | | | |
|---|---|---|---|
| Conductor O.D., min. | 10 mm | Conductor O.D., max. | 14 mm |
| Cable gland | M 20 | Conductor cross-section (rated connection), min. | 0.08 mm² |
| Conductor cross-section (rated connection), max. | 1.5 mm² | Wire connection cross section AWG, min. | AWG 28 |
| Wire connection cross section AWG, max. | AWG 14 | Solid, min. H05(07) V-U | 0.2 mm² |
| Solid, max. H05(07) V-U | 1.5 mm² | Flexible, min. H05(07) V-K | 0.2 mm² |
| Flexible, max. H05(07) V-K | 1.5 mm² | w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm² | w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm² |
| w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm² | Storage space | gross |
| Distributor outlet | Hood version with M20 outlet | | |

### 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 resistance | 109 Ω |

### General technical data

| | | | |
|---|---|---|---|
| Protection degree | IP68 | Plug-in station coding | A-coded |
| 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 |

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## Technical data

### 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

| | | | |
|---|---|---|---|
| Number of poles | 5 | Conductor O.D., max. | 14 mm |
| Conductor O.D., min. | 10 mm | Suitable for cable carriers | No |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC003558 | ETIM 9.0 | EC003558 |
| ETIM 10.0 | EC003558 | ECLASS 14.0 | 27-44-01-11 |
| ECLASS 15.0 | 27-44-01-11 | | |

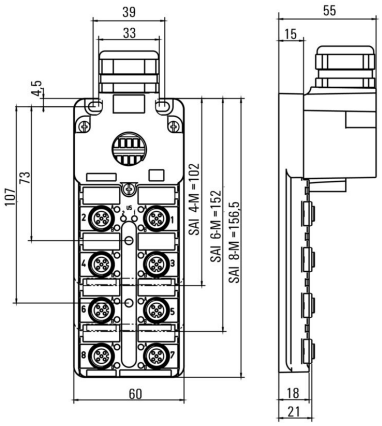
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## Drawings

### Dimensioned drawing




### Wiring diagram

