

**SAI-4/6/8 MH-MH BL 3.5****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    | Hood version with M20 outlet, 30 V, , LED: No, LED initiator: No, Wiring type: None |
| Order No.  | <a href="#">1724752000</a>                                                          |
| Type       | SAI-4/6/8 MH-MH BL 3.5                                                              |
| GTIN (EAN) | 4032248184576                                                                       |
| Qty.       | 1 pc(s).                                                                            |

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Height     | 55 mm | Height (inches) | 2.165 inch |
| Width      | 60 mm | Width (inches)  | 2.362 inch |
| Net weight | 340 g |                 |            |

## Temperatures

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

## 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 |                      |                      |

## 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 | No   |                                         |      |

## General technical data

|                   |      |                    |      |
|-------------------|------|--------------------|------|
| Protection degree | IP68 | Pollution severity | 3    |
| Fire behaviour    | V-0  | Plugging cycles    | ≤ 50 |
| LED               | No   | LED initiator      | No   |

## Material data

|                       |                     |                          |                     |
|-----------------------|---------------------|--------------------------|---------------------|
| Housing main material | 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 |
| Suitable for cable carriers | No    |                      |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | EC003558    | ETIM 9.0    | 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 |

## Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | / |
|------------|---|

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# Technical data

### Approvals

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

### Downloads

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Straight**

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

|            |                            |                                                |
|------------|----------------------------|------------------------------------------------|
| Type       | SAIS-5/7                   | Version                                        |
| Order No.  | <a href="#">9456940000</a> | Field attachable connector, M12, pin, straight |
| GTIN (EAN) | 4008190304935              |                                                |
| Qty.       | 1 pc(s).                   |                                                |

**Angled**

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

|            |                            |                                               |
|------------|----------------------------|-----------------------------------------------|
| Type       | SAISW-5/7                  | Version                                       |
| Order No.  | <a href="#">9456950000</a> | Field attachable connector, M12, pin, 90&deg; |
| GTIN (EAN) | 4008190304003              |                                               |
| Qty.       | 1 pc(s).                   |                                               |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****M12 Twin-Connector**

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. In special-purpose machine engineering, certain applications require two different lengths of cables which are routed to a single plug-in. To resolve this problem, we offer customisable male plugs and female sockets with two cable outlets. The miniature twin plug comes with a 90° outlet and a straight outlet. The angled version can be rotated as required at 90° intervals.

**General ordering data**

|            |                            |                                                |
|------------|----------------------------|------------------------------------------------|
| Type       | SAIS-ZW-5                  | Version                                        |
| Order No.  | <a href="#">9457540000</a> | Field attachable connector, M12, pin, straight |
| GTIN (EAN) | 4032248143290              |                                                |
| Qty.       | 1 pc(s).                   |                                                |

**M12**

Protective caps protect unassigned plug-in stations against external influences.

**General ordering data**

|            |                            |                                                |
|------------|----------------------------|------------------------------------------------|
| Type       | SAI-SK-M12                 | Version                                        |
| Order No.  | <a href="#">9456050000</a> | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4008190304058              |                                                |
| Qty.       | 30 pc(s).                  |                                                |