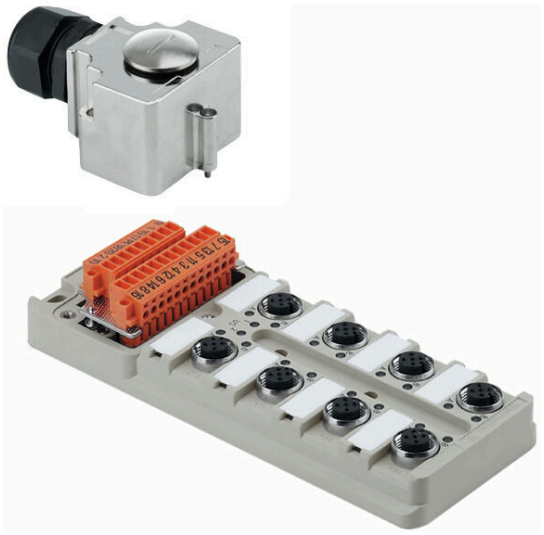
Data sheet

# SAI-8-MHD 5P M12 OL

**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 M25 outlet, M12, 30 V, A-coded, LED: Yes, LED initiator: No, Wiring type: PNP |
| Order No. | 1740193000 |
| Type | SAI-8-MHD 5P M12 OL |
| GTIN (EAN) | 4032248298938 |
| Qty. | 1 items |

# Data sheet

## SAI-8-MHD 5P M12 OL

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

www.weidmueller.com

# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 152 mm | Depth (inches) | 5.9842 inch |
| Height | 53 mm | Height (inches) | 2.0866 inch |
| Width | 60 mm | Width (inches) | 2.3622 inch |
| Net weight | 565 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. | 14 mm | Conductor O.D., max. | 18 mm |
| Cable gland | M 25 | 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 | Distributor outlet | Hood version with M25 outlet |

### Electrical data

| | | | |
|---|---|---|---|
| Rated voltage, min. | 10 V | Rated voltage, max. | 30 V |
| Max. current-carrying capacity per slot | 4 A | Total current | 10 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 | LED | Yes |
| LED initiator | No | LED colour for indicating operation | green |

### Material data

| | | | |
|---|---|---|---|
| Housing main material | Pocan (base module), Zinc diecast (hood) | Contact material | CuZn |
| Contact surface | Gold-plated | | |

# SAI-8-MHD 5P M12 OL

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

www.weidmueller.com

## Technical data

### Technical data cable

| | | | |
|---|---|---|---|
| Number of poles | 5 | Conductor O.D., max. | 18 mm |
| Conductor O.D., min. | 14 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 | | |

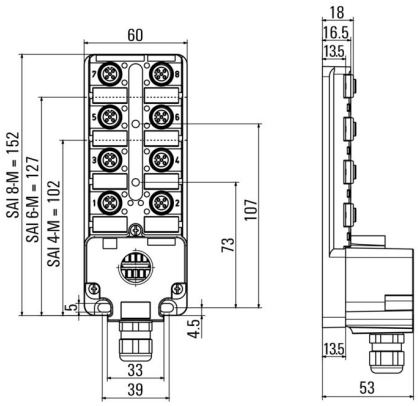
# SAI-8-MHD 5P M12 OL

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

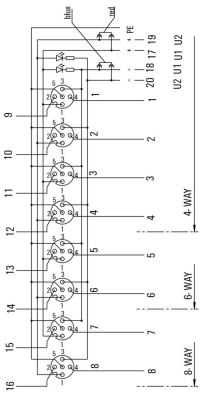
www.weidmueller.com

## Drawings

### Dimensioned drawing




### Wiring diagram



# SAI-8-MHD 5P M12 OL

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

www.weidmueller.com

## Accessories

### M12



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

#### General ordering data

| | | |
|---|---|---|
| Type | SAI-SK-M12 | Version |
| Order No. | 9456050000 | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4008190304058 | |
| Qty. | 30 ST | |

### Screwty® cable gland tool with torque function



The ideal tool for any application
Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

#### General ordering data

| | | |
|---|---|---|
| Type | SCREWTY SET -DM | Version |
| Order No. | 1920000000 | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436859 | |
| Qty. | 1 ST | |

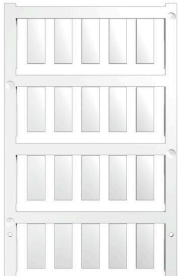
# SAI-8-MHD 5P M12 OL

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

www.weidmueller.com

## Accessories

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.
Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.
Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

| | | |
|---|---|---|
| Type | ESG 8/20 K MC NE WS | Version |
| Order No. | 2558360000 | ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable |
| GTIN (EAN) | 4050118569070 | |
| Qty. | 200 ST | |