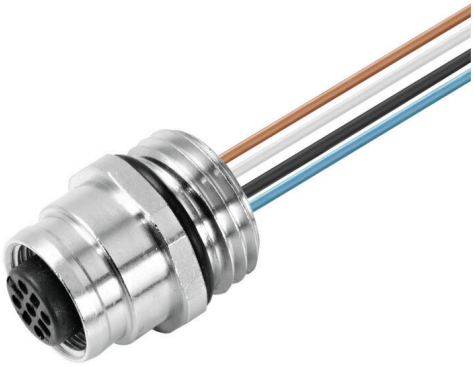
Data sheet

# SAIE-M12B-8-0,5U-M16

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

www.weidmueller.com



Various build-in connectors are required for the connections on the device side of the sensor/actuator cabling. These are available in the versions M12, M8 and M5.

## General ordering data

| | |
|---|---|
| Version | Built-in plugs, M12, Female socket, straight, Mounting thread: M 16 x 1.5, Number of poles: 8, Strand / cable length: 0.5 m, Front mounting |
| Order No. | 1861140000 |
| Type | SAIE-M12B-8-0,5U-M16 |
| GTIN (EAN) | 4032248419210 |
| Qty. | 1 items |

# Data sheet

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# Technical data

### Approvals

| | |
|---|---|
| Approvals |  |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

### Dimensions and weights

| | |
|---|---|
| Net weight | 33 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| PE function | No | Core cross-section | 0.25 mm² |
| Wire cross section (Print/Online) | 0.34 (4- and 5-pole)/ 0.25 (8-pole) | Strand / cable length | 0.5 m |
| Colour coding | white, brown, green, yellow, grey, pink, blue, red | Number of poles | 8 |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Number of poles | 8 | Coding | A-coded |
| Contact surface | Gold-plated | Housing main material | Zinc diecast |
| Nominal voltage | 30 V | Nominal current | 2 A |
| Protection degree | IP67, when screwed in | Plugging cycles | ≥ 100 |
| Rated current | 4 A (4- and 5-pole)/ 2 A (8-pole)/ 1.5 A (12-pole) | Temperature range of housing | -30...+90 °C |

### Standards

| | |
|---|---|
| Connector standard | IEC 61076-2-101 |

### General data

| | |
|---|---|
| Number of poles | 8 |
| Coding | A-coded |
| Connection thread | M12 |
| Contact surface | Gold-plated |
| Tightening torque | 1 Nm |
| Core cross-section | 0.25 mm² |
| Housing main material | Zinc diecast |
| Type of mounting | Front mounting |
| Nominal voltage | 30 V |
| Nominal current | 2 A |
| Protection degree | IP67, when screwed in |
| Plugging cycles | ≥ 100 |
| Basic material | PUR |

# Data sheet

## SAIE-M12B-8-0,5U-M16

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## Technical data

| | | | |
|---|---|---|---|
| Rated voltage | 250 V (4-pole)/ 60 V (5-pole)/ 30 V (8 and 12-pole) | | |
| Rated current | 4 A (4- and 5-pole)/ 2 A (8-pole)/ 1.5 A (12-pole) | | |
| Wire cross section (Print/Online) | 0.34 (4- and 5-pole)/ 0.25 (8-pole) | | |
| Connection 1 | M12 | | |
| Connection 2 | Flying wires | | |
| Strand / cable length | 0.5 m | | |
| Mounting thread | M 16 x 1.5 | | |
| Mounting torque range | 2 Nm | | |
| Mounting torque | max. | 2 Nm | |
| Temperature range of housing | -30...+90 °C | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC003570 | ETIM 9.0 | EC003570 |
| ETIM 10.0 | EC003570 | ECLASS 14.0 | 27-44-01-03 |
| ECLASS 15.0 | 27-44-01-03 | | |

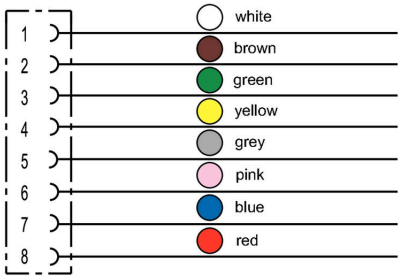
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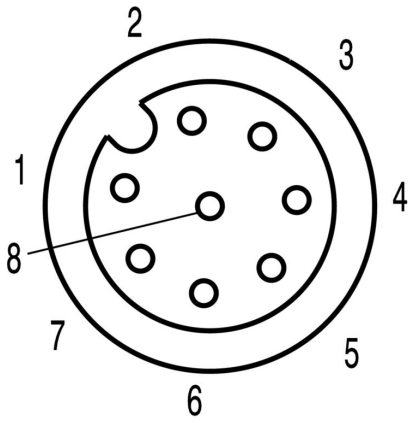
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## Drawings

### Wiring diagram




### Pole scheme



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## Accessories

### Brass lock nuts, nickel-plated



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | SKMU M16 MS | Version |
| Order No. | 1736990000 | SKMU MS (brass locknut), Locknut, M 16, 2.8 mm, Brass, nickel- |
| GTIN (EAN) | 4008190956462 | plated |
| Qty. | 100 ST | |