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# SAID-M12BB-5S-9SMT

## Similar to illustration

Weidmüller is one of the industry's leading international providers of connectors. An important mainstay in this product family are the circular connectors, which Weidmüller groups under the product name SAI. In the development of SAI products, Weidmüller engineers have always concentrated on achieving rational, cost-effective installation concepts, and – in cooperation with major users – have supplied the markets with well-conceived products which set standards in terms of functionality and quality across the globe. The best examples are the new power distributors with S and T coded M12. These modules are characterised by particularly high currents and voltages. This enables them to also be used, for example, with three-phase motors.

## General ordering data

| | |
|---|---|
| Version | Built-in plugs, M12, Socket connector, Mounting thread: , Number of poles: 5, Strand / cable length: |
| Order No. | 2422900000 |
| Type | SAID-M12BB-5S-9SMT |
| GTIN (EAN) | 4050118431162 |
| Qty. | 25 pc(s). |

Creation date December 5, 2023 10:07:46 AM CET

**SAID-M12BB-5S-9SMT**

## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 3.6 g |

### Technical data of PCB plug-in connector

| | | | |
|---|---|---|---|
| Coding | B-coded | Housings | M12 socket |
| Number of poles | 5 | Shield connection | Yes |
| Rated voltage | 60 V | Rated voltage | 250 V (4-pole) / 60 V (5-pole) |
| Rated current | 4 A | Rated current | 4 A |
| Temperature range | -25...95 °C | Protection degree | IP67 |
| Contact surface | Au (Gold) | Housing main material | LCP |
| Connection thread | M12 | Tightening torque | M12: 0.8 Nm |
| Pollution severity | 3 (2 within the sealed area) | Plugging cycles | ≥ 100 |
| Contact material | CuZn | Lock nut material | Nickel-plated CuZn |
| Material of the flange-mounted housing | Nickel-plated CuZn | | |

### General Info

| | | | |
|---|---|---|---|
| Number of poles | 5 | UL 94 flammability rating | V-0 |
| Housing main material | LCP | Connection thread | M12 |
| Contact material | CuZn | Contact surface | Au (Gold) |
| Protection degree | IP67 | Plugging cycles | ≥ 100 |

### Material data

| | | | |
|---|---|---|---|
| UL 94 flammability rating | V-0 | Contact material | CuZn |
| Contact surface | Au (Gold) | | |

### System parameters

| | | | |
|---|---|---|---|
| Number of poles | 5 | Pin series quantity | 1 |
| Plugging cycles | ≥ 100 | Protection degree | IP67 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000438 | ETIM 7.0 | EC003557 |
| ETIM 8.0 | EC003557 | ETIM 9.0 | EC003557 |
| ECLASS 9.1 | 27-44-02-05 | ECLASS 10.0 | 27-44-02-23 |
| ECLASS 11.0 | 27-44-02-23 | ECLASS 12.0 | 27-44-02-23 |
| ECLASS 13.0 | 27440223 | | |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 0ea6d931-f9e9-40a6-89d9-8d67103189d3 |

### Approvals

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

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# SAID-M12BB-5S-9SMT

## Technical data

### Downloads

| | |
|---|---|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

# SAID-M12BB-5S-9SMT

## Drawings

### Dimensioned drawing
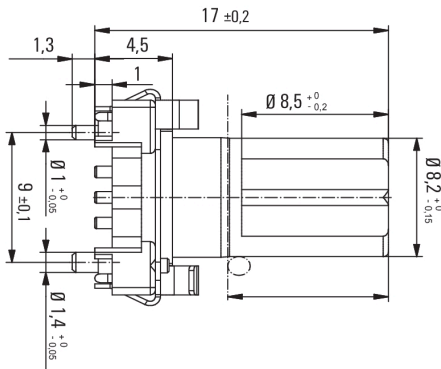
### PCB design
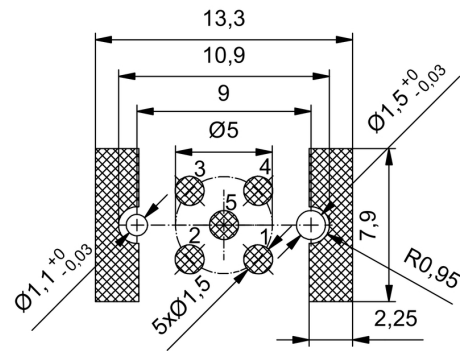
### Pole scheme
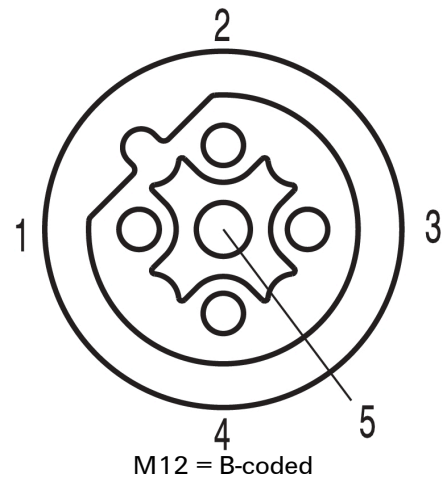
M12 = B-coded

# SAID-M12BB-5S-9SMT

## Accessories

### Accessories

Weidmüller is one of the industry's leading international providers of connectors. An important mainstay in this product family are the circular connectors, which Weidmüller groups under the product name SAI. In the development of SAI products, Weidmüller engineers have always concentrated on achieving rational, cost-effective installation concepts, and – in cooperation with major users – have supplied the markets with well-conceived products which set standards in terms of functionality and quality across the globe. The best examples are the new power distributors with S and T coded M12. These modules are characterised by particularly high currents and voltages. This enables them to also be used, for example, with three-phase motors.

### General ordering data

| Type | SAIFG-M14X1-B-1 | Version | |
|---|---|---|---|
| Order No. | 2423920000 | Built-in plug housing, M12 socket, Mounting height: 9 mm | |
| GTIN (EAN) | 4050118431803 | | |
| Qty. | 25 pc(s). | | |
| Type | SAIFG-M14X1-B-2 | Version | |
| Order No. | 2423950000 | Built-in plug housing, M12 socket, Mounting height: 13 mm | |
| GTIN (EAN) | 4050118432336 | | |
| Qty. | 25 pc(s). | | |
| Type | SAIE-KMM14X1-SW15 | Version | |
| Order No. | 2424010000 | Locknut | |
| GTIN (EAN) | 4050118431230 | | |
| Qty. | 25 pc(s). | | |