# SAISW-M16-12/9

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
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Germany

www.weidmueller.com



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 sockets for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M16 round plug-in connectors can transmit large amounts of power and have set the standard in the market for many years.
The solder connection provides high contact density on a small area. With this technology the stripped conductor is soldered to the contacts, producing good electrical conductivity.

## General ordering data

| | |
|---|---|
| Version | Field attachable connector, M16, pin, 90° |
| Order No. | 1548850000 |
| Type | SAISW-M16-12/9 |
| GTIN (EAN) | 4050118355321 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 36 g |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Cable diameter | 6...8 mm (PG9) | Cable diameter, max. | 8 mm |
| Cable diameter, min. | 6 mm | Coding | none |
| Conductor cross-section, max. | 0.75 mm² | Conductor cross-section, min. | 0.14 mm² |
| Connection cross-section, max. | 0.25 mm² | Connection cross-section, min. | 0.14 mm² |
| Contact surface | Ag (silver) | Housing main material | PA |
| Insulation strength | $10^8$ Ω | Number of poles | 12 |
| Plugging cycles | ≥ 500 | Pollution severity | 3 |
| Protection degree | IP40 | Rated current | 3 A |
| Rated current | 7 A (2-pole) / 6 A (4- and 5-pole) / 5 A (6-, 7- and 8-pole) / 3 A (12- and 16-pole) | Rated voltage | 60 V |
| Shield connection | No | Temperature range of housing | -40 ... +85 ° C |
| Threaded ring material | Diecast zinc | Type of connection | Solder connection |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC002635 | ETIM 7.0 | EC002635 |
| ETIM 8.0 | EC002635 | ETIM 9.0 | EC002635 |
| ECLASS 9.0 | 27-44-01-02 | ECLASS 9.1 | 27-44-01-03 |
| ECLASS 10.0 | 27-44-01-02 | ECLASS 11.0 | 27-44-01-02 |
| ECLASS 12.0 | 27-44-01-16 | ECLASS 13.0 | 27440102 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

### Approvals

| | |
|---|---|
| Approvals | CE |
| ROHS | Conform |

### Downloads

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