

SAIB-M16-12/9**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

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, Female socket, straight |
| Order No. | 1548830000 |
| Type | SAIB-M16-12/9 |
| GTIN (EAN) | 4050118355123 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|------|
| Net weight | 26 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 mm ² | Conductor cross-section, min. | 0.14 mm ² |
| Connection cross-section | 0,14...0,75mm ² (2-, 4-, 5-, 6-, 7- und 8-poles) / 0,14...0,25mm ² (12- und 16-poles) | Connection cross-section, max. | 0.25 mm ² |
| Connection cross-section, min. | 0.14 mm ² | 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 | 27-44-01-02 |

Environmental Product Compliance

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

Approvals

Approvals



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

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

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