

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, straight |
| Order No.  | <a href="#">1548810000</a>                     |
| Type       | SAIS-M16-12/9                                  |
| GTIN (EAN) | 4050118355307                                  |
| Qty.       | 1 pc(s).                                       |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 28 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 <sup>2</sup>  | Conductor cross-section, min.  | 0.14 mm <sup>2</sup>   |
| Connection cross-section       | 0,14...0,75mm <sup>2</sup> (2-, 4-, 5-, 6-, 7- und 8-poles) / 0,14...0,25mm <sup>2</sup> (12- und 16-poles) | Connection cross-section, max. | 0.25 mm <sup>2</sup>   |
| Connection cross-section, min. | 0.14 mm <sup>2</sup>  | Contact surface                | Ag (silver)  |
| Housing main material          | PA  | Insulation strength            | 10 <sup>8</sup> 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 |
|------------|----------------|

## Approvals

Approvals



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

## Downloads

|                    |  |
|--------------------|--|
| Engineering Data   | <a href="#">CAD data – STEP</a>          |
| User Documentation | <a href="#">Manual</a>                   |
| Catalogues         | <a href="#">Catalogues in PDF-format</a> |
| Brochures          | <a href="#">FL FIELDWIRING EN</a>        |