

**SAIB-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    | Sockets prefabricated to customer spec., M16, Female socket, straight |
| Order No.  | <a href="#">1548830000</a>                                            |
| 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 |
|------------|------|

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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, 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)   | Rated voltage                  | 60 V                 |
| Rated voltage (text)           | 250 V (2-, 4-, 5- and 6-pole) / 125 V (7-pole) / 60 V (8-pole) | 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    |
| 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 |

## Approvals

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

## Downloads

|                    |                        |
|--------------------|------------------------|
| User Documentation | <a href="#">Manual</a> |
|--------------------|------------------------|