

**SAIBW-M-4/8 M12****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 socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

|            |                                                              |
|------------|--------------------------------------------------------------|
| Version    | Sockets prefabricated to customer spec., M12, Socket, angled |
| Order No.  | <a href="#">1803910000</a>                                   |
| Type       | SAIBW-M-4/8 M12                                              |
| GTIN (EAN) | 4032248260225                                                |
| Qty.       | 1 pc(s).                                                     |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 69 g |
|------------|------|

## Environmental Product Compliance

|            |                                                      |
|------------|------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Imidazolidine-2-thione<br>96-45-7 |
|------------|------------------------------------------------------|

## Technical data customisable plug-in connectors

|                                |                      |                                |                                |
|--------------------------------|----------------------|--------------------------------|--------------------------------|
| Cable diameter                 | 6...8 mm (PG9)       | Cable diameter, max.           | 8 mm                           |
| Cable diameter, min.           | 6 mm                 | Coding                         | A                              |
| Conductor cross-section, max.  | 0.75 mm <sup>2</sup> | Conductor cross-section, min.  | 0.14 mm <sup>2</sup>           |
| Connection cross-section, max. | 0.75 mm <sup>2</sup> | Connection cross-section, min. | 0.14 mm <sup>2</sup>           |
| Contact surface                | Gold-plated          | Housing main material          | CuZn                           |
| Insulation strength            | 10 <sup>8</sup> Ω    | Number of poles                | 4                              |
| Plugging cycles                | ≥ 100                | Pollution severity             | 3                              |
| Protection degree              | IP67                 | Rated current                  | 4 A                            |
| Rated voltage                  | 250 V                | Rated voltage                  | 250 V (4-pole) / 60 V (5-pole) |
| Shield connection              | Yes                  | Temperature range of housing   | -40 ... +85 °C                 |
| Threaded ring material         | Diecast zinc         | Type of connection             | Screw connection               |

## General Info

|                        |               |                       |             |
|------------------------|---------------|-----------------------|-------------|
| Connection 1           | M12           | Connection 2          | Screw       |
| Description of article | SAISW / SAIBW | Housing main material | CuZn        |
| Connection thread      | M12           | Contact surface       | Gold-plated |
| Protection degree      | IP67          | Plugging cycles       | ≥ 100       |

## Standards

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002635    | ETIM 7.0    | EC002635    |
| ETIM 8.0    | 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

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

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### Downloads

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

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## Drawings

### Pole scheme

