

**SAIBW-5/9****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 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    | Field attachable connector, M12, Socket, angled |
| Order No.  | <a href="#">1807330000</a>                      |
| Type       | SAIBW-5/9                                       |
| GTIN (EAN) | 4032248278558                                   |
| Qty.       | 1 pc(s).                                        |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 28 g |
|------------|------|

## Environmental Product Compliance

|            |                                                      |      |                                          |
|------------|------------------------------------------------------|------|------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Imidazolidine-2-thione<br>96-45-7 | SCIP | bcee35cf-<br>c0f5-43d2-8daf-65ab0d08641a |
|------------|------------------------------------------------------|------|------------------------------------------|

## Technical data customisable plug-in connectors

|                                |                                                |                                |                                        |
|--------------------------------|------------------------------------------------|--------------------------------|----------------------------------------|
| Cable diameter                 | 4...6 mm (PG7)/ 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                | CuSnZn                                         | Contact surface                | CuSnZn (5-pole) / gold plated (8-pole) |
| Housing main material          | PA                                             | Insulation strength            | 10 <sup>8</sup> Ω                      |
| Number of poles                | 5                                              | Plugging cycles                | ≥ 50                                   |
| Pollution severity             | 3                                              | Protection degree              | IP67                                   |
| Rated current                  | 4 A                                            | Rated voltage                  | 60 V                                   |
| Rated voltage                  | 250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole) | Shield connection              | No                                     |
| Temperature range of housing   | -40 ... +85 °C                                 | Threaded ring material         | Diecast zinc                           |
| Type of connection             | Screw connection                               |                                |                                        |

## General Info

|                       |        |                        |               |
|-----------------------|--------|------------------------|---------------|
| Number of poles       | 5      | Connection 1           | M12           |
| Connection 2          | Screw  | Description of article | SAISW / SAIBW |
| Housing main material | PA     | Connection thread      | M12           |
| Contact surface       | CuSnZn | Protection degree      | IP67          |
| Plugging cycles       | ≥ 50   |                        |               |

## 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 | ECLASS 12.0 | 27-44-01-16 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cULus) | E307231    |

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Catalogue status 18.11.2022 / We reserve the right to make technical changes.

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## Technical data

### Downloads

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Engineering Data   | <a href="#">CAD data – 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

