

**SAIB-5/7-ZF****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.

Tension-clamp connection delivers excellent functional security and reduced installation times. With this technology the conductor is plugged into the tension clamp without a wire-end ferrule (optionally with wire-end ferrule). The connection between the conductor and tension clamp is vibration-resistant and boasts long-term stability.

**General ordering data**

|            |                                                          |
|------------|----------------------------------------------------------|
| Version    | Field attachable connector, M12, Female socket, straight |
| Order No.  | <a href="#">1924970000</a>                               |
| Type       | SAIB-5/7-ZF                                              |
| GTIN (EAN) | 4032248565771                                            |
| Qty.       | 1 pc(s).                                                 |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 25 g |
|------------|------|

## Environmental Product Compliance

|            |                                   |      |                                          |
|------------|-----------------------------------|------|------------------------------------------|
| REACH SVHC | Imidazolidine-2-thione<br>96-45-7 | SCIP | a2cb82cf-1eab-43cd-<br>bafb-63d26622fe9e |
|------------|-----------------------------------|------|------------------------------------------|

## Technical data customisable plug-in connectors

|                                |                                |                                |                          |
|--------------------------------|--------------------------------|--------------------------------|--------------------------|
| Cable diameter                 | 4...6 mm (PG7)/ 6...8 mm (PG9) | Cable diameter, max.           | 6 mm                     |
| Cable diameter, min.           | 4 mm                           | Coding                         | A                        |
| Conductor cross-section, max.  | 0.5 mm <sup>2</sup>            | Conductor cross-section, min.  | 0.25 mm <sup>2</sup>     |
| Connection cross-section, max. | 0.5 mm <sup>2</sup>            | Connection cross-section, min. | 0.14 mm <sup>2</sup>     |
| Contact surface                | Gold-plated                    | Housing main material          | PA                       |
| Insulation strength            | 10 <sup>8</sup> Ω              | Number of poles                | 5                        |
| Plugging cycles                | ≥ 100                          | Pollution severity             | 3                        |
| Protection degree              | IP67                           | Rated current                  | 4 A                      |
| Rated voltage                  | 60 V                           | Rated voltage                  | 60 V                     |
| Shield connection              | No                             | Temperature range of housing   | -40 ... +85 °C           |
| Threaded ring material         | Diecast zinc                   | Type of connection             | Tension-clamp connection |

## General Info

|                        |         |                       |               |
|------------------------|---------|-----------------------|---------------|
| Connection 1           | M12     | Connection 2          | Tension-clamp |
| Description of article | SAIS-ZF | Housing main material | PA            |
| Connection thread      | M12     | Contact surface       | Gold-plated   |
| Protection degree      | IP67    | Plugging cycles       | ≥ 100         |

## 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 |
|------|---------|

## 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> |