

**SAIB-3/9-7/8****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 7/8" round plug-in connectors can transmit large amount of power.

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, 7/8" |
| Order No.  | <a href="#">1291910000</a>       |
| Type       | SAIB-3/9-7/8                     |
| GTIN (EAN) | 4050118086942                    |
| Qty.       | 1 pc(s).                         |

## SAIB-3/9-7/8

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 45 g |
|------------|------|

## Technical data customisable plug-in connectors

|                                |                                    |                                |                      |
|--------------------------------|------------------------------------|--------------------------------|----------------------|
| Cable diameter, max.           | 8 mm                               | Cable diameter, min.           | 6 mm                 |
| Cable glands                   | PG 9                               | Coding                         | none                 |
| Conductor cross-section, max.  | 1.5 mm <sup>2</sup>                | Conductor cross-section, min.  | 0.5 mm <sup>2</sup>  |
| Connection cross-section, max. | 1.5 mm <sup>2</sup>                | Connection cross-section, min. | 0.14 mm <sup>2</sup> |
| Contact material               | CuZn                               | Contact surface                | Gold-plated          |
| Gender of contact              | Female                             | Housing main material          | PBT                  |
| Insulation strength            | 10 <sup>8</sup> Ω                  | Number of poles                | 3                    |
| Plugging cycles                | ≥ 50                               | Pollution severity             | 3                    |
| Protection degree              | IP67                               | Rated current                  | 12 A                 |
| Rated current                  | 9 A (4- and 5-pole), 12 A (3-pole) | Rated voltage                  | 300 V                |
| Shield connection              | No                                 | Temperature range of housing   | -40 ... +85 °C       |
| Threaded ring material         | Diecast zinc                       | Type of connection             | Screw connection     |

## General data

|                               |                     |                               |                                    |
|-------------------------------|---------------------|-------------------------------|------------------------------------|
| Cable diameter, max.          | 8 mm                | Cable diameter, min.          | 6 mm                               |
| Cable glands                  | PG 9                | Coding                        | none                               |
| Conductor O.D.                | -                   | Conductor cross-section, max. | 1.5 mm <sup>2</sup>                |
| Conductor cross-section, min. | 0.5 mm <sup>2</sup> | Connection 1                  | 7/8"                               |
| Connection 2                  | Screw               | Connection thread             | 7/8"                               |
| Contact material              | CuZn                | Contact surface               | Gold-plated                        |
| Housing main material         | PBT                 | Insulation strength           | 10 <sup>8</sup> Ω                  |
| Number of poles               | 3                   | Plugging cycles               | ≥ 50                               |
| Pollution severity            | 3                   | Protection degree             | IP67                               |
| Rated current                 | 12 A                | Rated current                 | 9 A (4- and 5-pole), 12 A (3-pole) |
| Rated impulse voltage         | 4,000 V             | Rated voltage                 | 300 V                              |
| Rated voltage                 | 300 V               | Rated voltage (UL)            | 600 V                              |
| Shield connection             | No                  | Temperature range of housing  | -40 ... +85 °C                     |
| Type of connection            | Screw connection    |                               |                                    |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002635    | ETIM 7.0    | EC002635    |
| ETIM 8.0    | EC002635    | ETIM 9.0    | EC002635    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-44-01-16 |
| ECLASS 15.0 | 27-44-01-16 |             |             |

## Environmental Product Compliance

|                                      |                                               |
|--------------------------------------|-----------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                      |
| RoHS Exemption (if applicable/known) | 6c                                            |
| REACH SVHC                           | Lead 7439-92-1 Imidazolidine-2-thione 96-45-7 |
| SCIP                                 | 10f6f563-34ca-4ce4-9e59-cf656b2f4d8b          |

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Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                       |            |
|-----------------------|------------|
| UL File Number Search | UL Website |
|-----------------------|------------|

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E307231 |
|-------------------------|---------|

**Downloads**

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

