

**SAIS-5/9-7/8****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", pin, straight |
| Order No.  | <a href="#">1301220000</a>                      |
| Type       | SAIS-5/9-7/8                                    |
| GTIN (EAN) | 4050118098150                                   |
| Qty.       | 1 pc(s).  |

## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 54 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                        |
| Housing main material          | PBT                 | Insulation strength            | 10 <sup>8</sup> Ω                  |
| Number of poles                | 5                   | Plugging cycles                | ≥ 50                               |
| Pollution severity             | 3                   | Protection degree              | IP67                               |
| Rated current                  | 9 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 thread             | 7/8"                               |
| Contact material              | CuZn                | Contact surface               | Gold-plated                        |
| Housing main material         | PBT                 | Insulation strength           | 10 <sup>8</sup> Ω                  |
| Number of poles               | 5                   | Plugging cycles               | ≥ 50                               |
| Pollution severity            | 3                   | Protection degree             | IP67                               |
| Rated current                 | 9 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    |
| 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 |             |             |

## Environmental Product Compliance

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

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## Approvals

Approvals



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

## Downloads

|            |  |
|------------|--|
| 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

