

**SAISW-M-5/8 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    | Field attachable connector, M12, pin, 90&deg; |
| Order No.  | <a href="#">1803940000</a>                    |
| Type       | SAISW-M-5/8 M12                               |
| GTIN (EAN) | 4032248260256                                 |
| Qty.       | 1 pc(s).                                      |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 68 g |
|------------|------|

## Technical data customisable plug-in connectors

|                                |                      |                                |                      |
|--------------------------------|----------------------|--------------------------------|----------------------|
| Cable diameter, max.           | 8 mm                 | Cable diameter, min.           | 6 mm                 |
| Coding                         | A-coded              | 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                | 5                    | Plugging cycles                | ≥ 100                |
| Pollution severity             | 3                    | Protection degree              | IP67                 |
| Rated current                  | 4 A                  | Rated voltage                  | 60 V                 |
| Shield connection              | Yes                  | 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 | 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    | 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 |

## Environmental Product Compliance

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

## Approvals

Approvals



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

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### Downloads

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

