

**SAIBWI-P-4A-4/5.1-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 IDC is simple and quick to assemble since this technology allows the conductor to be inserted directly into the terminal point, without crimping or having to strip the insulation. It also has excellent functional security.

**General ordering data**

|            |                                 |
|------------|---------------------------------|
| Version    | Field attachable connector, M12 |
| Order No.  | <a href="#">1812890000</a>      |
| Type       | SAIBWI-P-4A-4/5.1-M12           |
| GTIN (EAN) | 4032248296446                   |
| Qty.       | 1 pc(s).                        |

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## Technical data

## Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 25.1 g |
|------------|--------|

## Technical data customisable plug-in connectors

|                               |                                    |                               |                     |
|-------------------------------|------------------------------------|-------------------------------|---------------------|
| Cable diameter, max.          | 5.1 mm                             | Cable diameter, min.          | 4 mm                |
| Coding                        | A-coded                            | Conductor cross-section, max. | 0.5 mm <sup>2</sup> |
| Conductor cross-section, min. | 0.25 mm <sup>2</sup>               | Contact surface               | tinned              |
| Gender of contact             | Female                             | Housing main material         | CuZn                |
| Insulation strength           | 10 <sup>8</sup> Ω                  | Number of poles               | 4                   |
| Plugging cycles               | ≥ 50                               | Pollution severity            | 3                   |
| Protection degree             | IP67                               | Rated current                 | 4 A                 |
| Rated voltage                 | 32 V                               | Shield connection             | No                  |
| Temperature range of housing  | -25...+85 °C                       | Threaded ring material        | Diecast zinc        |
| Type of connection            | Insulation displacement connection |                               |                     |

## General Info

|                       |        |                        |                       |
|-----------------------|--------|------------------------|-----------------------|
| Number of poles       | 4      | Connection 1           | M12                   |
| Connection 2          | IDC    | Description of article | SAISW IDC / SAIBW IDC |
| Housing main material | CuZn   | Connection thread      | M12                   |
| Contact surface       | tinned | 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    | 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      |
| REACH SVHC             | Lead 7439-92-1 |

## Approvals

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

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## Technical data

### Downloads

|                             |                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                                                                                                       |
| Product Change Notification | <a href="#">Technische Änderung für freikonfektionierbare M8 und M12 Steckverbinder</a><br><a href="#">Technical change to field attachable M8 and M12 connectors</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**

