

**SAIS-4-IDC M12****Weidmüller Interfaces GmbH & Co. KG**

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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, pin, straight |
| Order No.           | <a href="#">1781550000</a>                     |
| Type                | SAIS-4-IDC M12                                 |
| GTIN (EAN)          | 4032248172146                                  |
| Qty.                | 1 pc(s).                                       |
| Alternative product | <a href="#">1781550001</a>                     |

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**Technical data**

**Dimensions and weights**

Net weight 22 g

**Technical data customisable plug-in connectors**

|                                |                     |                                |                                    |
|--------------------------------|---------------------|--------------------------------|------------------------------------|
| Cable diameter                 | 4...5.1 mm          | Cable diameter, max.           | 5.1 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. | 0.25 mm <sup>2</sup>               |
| Contact surface                | tinned              | 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                | 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  | 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    | 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>          |
| User Documentation | <a href="#">Manual</a>                   |
| Catalogues         | <a href="#">Catalogues in PDF-format</a> |
| Brochures          | <a href="#">FL FIELDWIRING EN</a>        |