

SAISW-M-5/8 M12 B-COD**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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° |
| Order No. | 1944570000 |
| Type | SAISW-M-5/8 M12 B-COD |
| GTIN (EAN) | 4032248619313 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

Net weight 67 g

Temperatures

Operating temperature, min. -40 °C Operating temperature, max. 85 °C

Technical data customisable plug-in connectors

| | | | |
|--------------------------------|----------------------|--------------------------------|----------------------|
| Cable diameter | 6...8 mm (PG9) | Cable diameter, max. | 8 mm |
| Cable diameter, min. | 6 mm | Coding | B |
| Conductor cross-section, max. | 0.75 mm ² | Conductor cross-section, min. | 0.14 mm ² |
| Connection cross-section, max. | 0.75 mm ² | Connection cross-section, min. | 0.14 mm ² |
| Contact surface | Gold-plated | Housing main material | CuZn |
| Insulation strength | 10 ⁸ Ω | Number of poles | 5 |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Protection degree | IP67 | Rated current | 4 A |
| Rated voltage | 60 V | 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 | 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 |

Environmental Product ComplianceREACH 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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| | |
|--------------------|--|
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| User Documentation | Manual |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings

Pole scheme

