

SAIB-3/7**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, Female socket, straight |
| Order No. | 1021490000 |
| Type | SAIB-3/7 |
| GTIN (EAN) | 4032248734788 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|------|
| Net weight | 28 g |
|------------|------|

Environmental Product Compliance

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

Technical data customisable plug-in connectors

| | | | |
|--------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| Cable diameter | 4...6 mm (PG7)/ 6...8 mm (PG9) | Cable diameter, max. | 6 mm |
| Cable diameter, min. | 4 mm | Coding | A |
| 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 | CuSnZn | Housing main material | PA |
| Insulation strength | 10 ⁸ Ω | Number of poles | 3 |
| Plugging cycles | ≥ 50 | Pollution severity | 3 |
| Protection degree | IP67 | Rated current | 4 A |
| Rated voltage | 250 V | Rated voltage | 250 V (3- and 4-pole) / 60 V (5-pole) |
| Shield connection | No | Temperature range of housing | -40 ... +85 °C |
| Threaded ring material | Diecast zinc | Type of connection | Screw connection |

General Info

| | | | |
|------------------------|-------------|-----------------------|--------|
| Connection 1 | M12 | Connection 2 | Screw |
| Description of article | SAIS / SAIB | Housing main material | PA |
| Connection thread | M12 | Contact surface | CuSnZn |
| 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 |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E307231 |

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Technical data

Downloads

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

