

SAIB-4/9-7/8**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 sockets for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The 7/8" round plug-in connectors can transmit large amount of power.

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, 7/8", Female socket, straight |
| Order No. | 1812480000 |
| Type | SAIB-4/9-7/8 |
| GTIN (EAN) | 4032248294527 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|------|
| Net weight | 37 g |
|------------|------|

Temperatures

| | |
|-----------------------|----------------|
| Operating temperature | -20 °C...85 °C |
|-----------------------|----------------|

Technical data customisable plug-in connectors

| | | | |
|--------------------------------|---------------------|--------------------------------|------------------------------------|
| Cable diameter, max. | 8 mm | Cable diameter, min. | 6 mm |
| Cable glands | PG 9 | Coding | none |
| Conductor cross-section, max. | 1.5 mm ² | Conductor cross-section, min. | 0.5 mm ² |
| Connection cross-section, max. | 1.5 mm ² | Connection cross-section, min. | 0.14 mm ² |
| Contact material | CuZn | Contact surface | Gold-plated |
| Housing main material | PBT | Insulation strength | 10 ⁸ Ω |
| Number of poles | 4 | Plugging cycles | ≥ 50 |
| Pollution severity | 3 | Protection degree | IP67 |
| Rated current | 9 A | Rated current | 9 A (4- and 5-pole), 12 A (3-pole) |
| Rated voltage | 300 V | Shield connection | No |
| Temperature range of housing | -40 ... +85 °C | Threaded ring material | Diecast zinc |
| Type of connection | Screw connection | | |

General data

| | | | |
|-------------------------------|------------------------------------|-------------------------------|---------------------|
| Cable diameter, max. | 8 mm | Cable diameter, min. | 6 mm |
| Cable glands | PG 9 | Coding | none |
| Conductor O.D. | - | Conductor cross-section, max. | 1.5 mm ² |
| Conductor cross-section, min. | 0.5 mm ² | Connection thread | 7/8" |
| Contact material | CuZn | Contact surface | Gold-plated |
| Housing main material | PBT | Insulation strength | 10 ⁸ Ω |
| Material | Plastic | Number of poles | 4 |
| Plugging cycles | ≥ 50 | Pollution severity | 3 |
| Protection degree | IP67 | Rated current | 9 A |
| Rated current | 9 A (4- and 5-pole), 12 A (3-pole) | Rated impulse voltage | 4,000 V |
| Rated voltage | 300 V | Rated voltage | 300 V |
| Rated voltage (UL) | 600 V | Shield connection | No |
| Temperature range of housing | -40 ... +85 °C | Type of connection | Screw connection |

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 | 10f6f563-34ca-4ce4-9e59-cf656b2f4d8b |

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Technical data

Approvals

Approvals



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

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings

