

**SAIB-8/9****Weidmüller Interface 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 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**

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| Type       | SAIB-8/9                                                              |
| Order No.  | <a href="#">1836960000</a>                                            |
| Version    | Sockets prefabricated to customer spec., M12, Female socket, straight |
| GTIN (EAN) | 4032248345212                                                         |
| Qty.       | 1 pc(s).                                                              |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 27 g |
|------------|------|

## Temperatures

|                                   |       |                                   |        |
|-----------------------------------|-------|-----------------------------------|--------|
| Operating temperature range, max. | 85 °C | Operating temperature range, min. | -25 °C |
| Operating temperature, max.       | 85 °C | Operating temperature, min.       | -40 °C |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Technical data customisable plug-in connectors

|                                |                     |                                |                      |
|--------------------------------|---------------------|--------------------------------|----------------------|
| Cable diameter, max.           | 8 mm                | Cable diameter, min.           | 6 mm                 |
| Cable gland                    | PG 9                | Coding                         | A                    |
| Connection cross-section, max. | 0.5 mm <sup>2</sup> | Connection cross-section, min. | 0.14 mm <sup>2</sup> |
| Contact surface                | Gold-plated         | Housing main material          | PA                   |
| Insulation resistance          | 10 <sup>8</sup> Ω   | No. of poles                   | 8                    |
| Plugging cycles                | ≥ 50                | Pollution severity             | 3                    |
| Protection degree              | IP67                | Rated current                  | 2 A                  |
| Rated voltage                  | 30 V                | Shield connection              | No                   |
| Temperature range of housing   | -40 ... +85 °C      | Threaded ring material         | Diecast zinc         |
| Type of connection             | Screw connection    |                                |                      |

## Standards

|                    |                 |                         |         |
|--------------------|-----------------|-------------------------|---------|
| Connector standard | IEC 61076-2-101 | Certificate No. (cURus) | E307231 |
|--------------------|-----------------|-------------------------|---------|

## Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC002062    | ETIM 4.0   | EC002635    |
| ETIM 5.0   | EC002635    | ETIM 6.0   | EC002062    |
| UNSPSC     | 30-21-18-10 | eClass 5.1 | 27-26-07-01 |
| eClass 6.2 | 27-26-07-02 | eClass 7.1 | 27-44-01-02 |
| eClass 8.1 | 27-44-01-02 | eClass 9.0 | 27-44-01-02 |
| eClass 9.1 | 27-44-01-03 |            |             |

## Approvals

Approvals



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

## Downloads

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 8 SAI 15/16 EN</a><br><a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                |
| User Documentation | <a href="#">Manual</a>                                                  |