

**SAI-AU M12 SB 8DI****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The trend from IP 20 to IP 67, or rather from machines with cabinets to ones without, reaches its zenith in the IP 67 I/O slaves. In these Plug & Play solutions, the connection of individual conductors is avoided completely. This results in a substantial time-saving and eliminates mistakes in the connection of individual conductors. Today, IP 67 bus modules represent the most modern solution for the connection of sensors and actuators with the best cost-saving potential.

**General ordering data**

|            |                                    |
|------------|------------------------------------|
| Version    | SAI Active, Subbus, Complete modul |
| Order No.  | <a href="#">1938610000</a>         |
| Type       | SAI-AU M12 SB 8DI                  |
| GTIN (EAN) | 4032248612628                      |
| Qty.       | 1 pc(s).                           |

## SAI-AU M12 SB 8DI

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Height     | 32 mm  | Height (inches) | 1.26 inch  |
| Width      | 30 mm  | Width (inches)  | 1.181 inch |
| Length     | 155 mm | Length (inches) | 6.102 inch |
| Net weight | 265 g  |                 |            |

## Temperatures

|                     |                |                       |              |
|---------------------|----------------|-----------------------|--------------|
| Storage temperature | -25 °C...85 °C | Operating temperature | 0 °C...60 °C |
|---------------------|----------------|-----------------------|--------------|

## Environmental Product Compliance

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Potassium perfluorobutane<br>sulfonate 29420-49-3 |
|------------|----------------------------------------------------------------------|

## Connections

|                               |                                |                                |                               |
|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
| Connection to Subbus (SUB-IN) | 1 x M8 plug 4-pole, A-coded    | Connection to Subbus (SUB-OUT) | 1 x M8 female 4-pole, A-coded |
| I/O connections               | 4 x M12 female, 5-pole A-coded |                                |                               |

## Digital inputs

|                         |                                                      |                                                |                                                    |
|-------------------------|------------------------------------------------------|------------------------------------------------|----------------------------------------------------|
| Diagnosis indication    | red                                                  | Input current, high                            | 2 mA to 15 mA in accordance with EN 61131-2 Type 1 |
| Input current, low      | < 15 mA in accordance with EN 61131-2 Type 1         | Input filter                                   | 1 ms, 3 ms, 5 ms, 10 ms, configurable              |
| Input voltage, high     | >15 V in accordance with EN 61131-2 Type 1           | Input voltage, low                             | <5 V in accordance with EN 61131-2 Type 1          |
| Permitted input voltage | -30 V to +30 V (protected against polarity reversal) | Separation of potentials to module electronics | none                                               |

## Digital outputs

|                      |     |
|----------------------|-----|
| Diagnosis indication | red |
|----------------------|-----|

## General data

|                           |            |                   |         |
|---------------------------|------------|-------------------|---------|
| Certificate               | CE, cULus  | Earth             | < 200 g |
| Housing main material     | Pocan, PBT | Protection degree | IP67    |
| UL 94 flammability rating | 5VA        |                   |         |

## Supply voltage

|                             |                     |                   |      |
|-----------------------------|---------------------|-------------------|------|
| Limits                      | 18 V DC ... 30 V DC | Operating voltage | 24 V |
| Reverse polarity protection | Yes                 |                   |      |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001601    | ETIM 7.0    | EC001601    |
| ETIM 8.0    | EC001601    | ECLASS 9.0  | 27-24-26-05 |
| ECLASS 9.1  | 27-24-26-90 | ECLASS 10.0 | 27-24-26-05 |
| ECLASS 11.0 | 27-24-26-05 |             |             |

**SAI-AU M12 SB 8DI****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E141197 |

**Downloads**

|                                             |                                                   |
|---------------------------------------------|---------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity DE PN45</a> |
| Engineering Data                            | <a href="#">STEP</a>                              |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                      |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>          |
| Brochures                                   |                                                   |