

SAI-AU M8 SB 8DO 2A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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. | 1938660000 |
| Type | SAI-AU M8 SB 8DO 2A |
| GTIN (EAN) | 4032248612659 |
| Qty. | 1 pc(s). |

Creation date December 15, 2022 9:38:30 AM CET

Catalogue status 02.12.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Height | 32 mm | Height (inches) | 1.26 inch |
| Width | 30 mm | Width (inches) | 1.181 inch |
| Length | 180 mm | Length (inches) | 7.087 inch |
| Net weight | 290 g | | |

Temperatures

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

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 | 8 x M8 socket 3-pole | Supply voltage (AUX-IN) | 1x M12 plug 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 | Max. total current outputs | 4 A |
| Output voltage, high | Supply voltage less 0.7 V DC | Output voltage, low | 0 V DC |
| Separation of potentials to module electronics | none | Short-circuit proof | Yes, cut-off for short circuit and error message |
| Switching frequency, inductive load | max. 1 Hz | Switching frequency, lamp load | max. 8 Hz |
| Switching frequency, resistive load | max. 100 Hz | max. current-carrying capacity per output signal | 2 A |

General data

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

Supply voltage

| | | | |
|-----------------------------|------------------|-------------------|---------------------|
| Contact load | Per PIN max. 4 A | Limits | 18 V DC ... 30 V DC |
| Max. total current module | 8 A | Operating voltage | 24 V |
| Reverse polarity protection | Yes | | |

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Technical data**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 | ECLASS 12.0 | 27-24-26-05 |

Environmental Product Compliance

| | |
|------------|---------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | 30ca4bfe-b33c-43ed-b218-3746bc09f6a6 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |

Downloads

| | |
|---------------------------------------------|---------------------------------------------------|
| Approval/Certificate/Document of Conformity | Declaration of Conformity_DE_PN45 |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | |