# Product data sheet

Specifications



## basic analog output kit STB - +/- 10 V - 2 O - 9 bits + sign

STBAVO1265K

To be discontinued on: Dec 1, 2027

To be end-of-service on: Dec 31, 2035

To be discontinued

## Main

| | |
|---|---|
| **Range of product** | Modicon STB distributed I/O solution |
| **Product or component type** | Basic analog output kit |
| **Kit composition** | STBAVO1265 module<br>STBXTS2100, 6-terminal spring clamp connector<br>STBXTS1100, 6-terminal screw type connector<br>STBXBA1000 base |
| **Product compatibility** | Mounting base STBXBA1000<br>Power distribution module STBPDT3100/3105 |
| **Analogue input number** | 0 |
| **Analogue output number** | 2 |

## Complementary

| | |
|---|---|
| **Analogue output current** | 0.02 A |
| **Response time** | 3 ms |
| **Cold swapping** | Yes |
| **Fallback status** | State 0 |
| **Data format** | IEC 61131-2<br>EN 61131-2 |
| **Update time** | 25 ms |
| **Absolute accuracy error** | +/- 0.5 % of full scale per °C |
| **Integral linearity** | +/- 0.1 %FS |
| **Differential linearity** | Monotonic |
| **Addressing requirement** | 2 output words |
| **Supply** | Power distribution module |
| **Analogue output type** | Voltage: +/- 10 V |
| **Output protection type** | Short-circuit protection |
| **Temperature drift** | +/-0.01 %/°C |
| **Typical current consumption** | 40 mA at 5 V DC for logic bus |
| **Isolation between channels and bus** | 1500 V for 1 minute |
| **Local signalling** | 1 LED green for module status (RDY) |
| **Overvoltage category** | II |
| **Height** | 13.9 mm |
| **Width** | 128.3 mm |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Depth** | 70 mm |
| **Product weight** | 0.115 kg |

## Environment

| | |
|---|---|
| **IP degree of protection** | IP20 |
| **Marking** | CE |
| **Product certifications** | CSA<br>FM Class 1 Division 2<br>UL |
| **Ambient air temperature for operation** | 0…60 °C (without derating) |
| **Ambient air temperature for storage** | -40…85 °C without derating |
| **Relative humidity** | 95 % at 60 °C without condensation |
| **Operating altitude** | <= 2000 m |
| **Pollution degree** | 2 |
| **Vibration resistance** | 5 gn (f = 58…150 Hz) on 35 mm DIN rail<br>3 gn (f = 58…150 Hz) on 35 mm DIN rail<br>+/-0.35 mm (f = 10…58 Hz) |
| **Shock resistance** | 30 gn for 11 ms conforming to IEC 88 reference 2-27 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 2.700 cm |
| **Package 1 Width** | 8.000 cm |
| **Package 1 Length** | 13.000 cm |
| **Package 1 Weight** | 136.000 g |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 28 |
| **Package 2 Height** | 15.000 cm |
| **Package 2 Width** | 30.000 cm |
| **Package 2 Length** | 40.000 cm |
| **Package 2 Weight** | 4.110 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Better

#### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| SCIP Number | 6830dd70-e4bc-47df-85c7-e41f888576f4 |
| EU RoHS Directive | Compliant By Exemption |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

### Use Longer

#### Lifetime extension

| | |
|---|---|
| Repair | No |

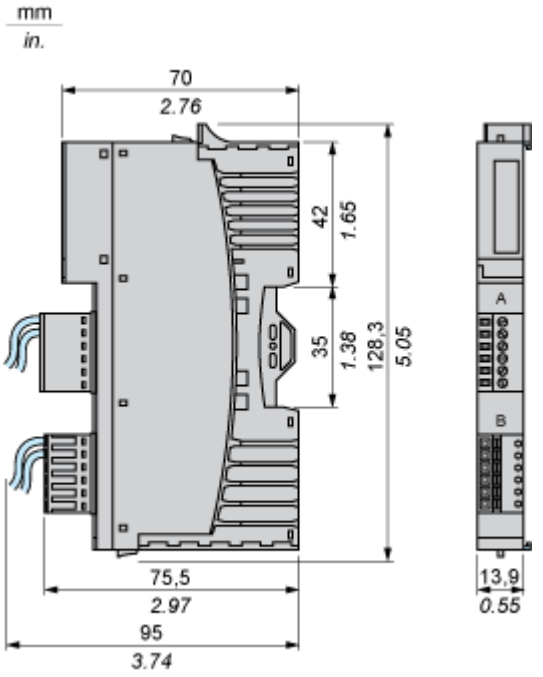
### Use Again

#### Repack and remanufacture

| | |
|---|---|
| Take-back | No |

Dimensions Drawings

**Dimensions**

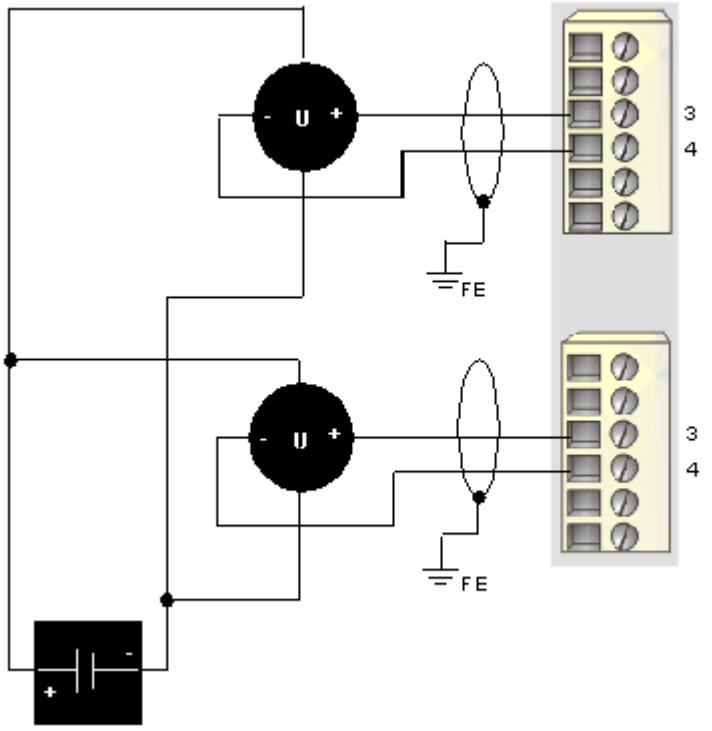


## Connections and Schema

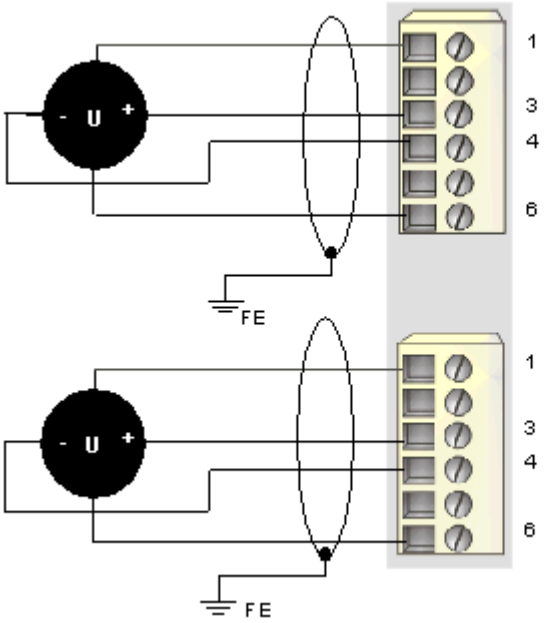
### Wiring Diagrams

#### Examples

2 isolated analog actuators, external 24 VDC power supply




2 non-isolated analog actuators, 24 VDC supplied by the PDM




| Pin | Top Connections | Bottom Connections |
|---|---|---|
| 1 | +24 VDC from the island's field power bus for field device accessories | +24 VDC from the island's field power bus for field device accessories |
| 2 | no connection | no connection |

| Pin | Top Connections | Bottom Connections |
|---|---|---|
| 3 | output to actuator 1 | output to actuator 2 |
| 4 | output channel return | output channel return |
| 5 | no connection | no connection |
| 6 | field power return (to the module) | field power return (to the module) |