

Product data sheet

Specifications



basic analog output kit, Modicon STB, 4 to 20mA, 2O, 10 bits

STBACO1225K

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon STB distributed I/O solution
Product or Component Type	Basic analog output kit
Kit composition	STBXBA1000 base STBACO1225 module STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector
Analogue output type	Current 4...20 mA
Analogue output number	2
Analogue output resolution	10 bits

Complementary

Analogue output current	0.02 A
Response Time	3 ms
Cold swapping	Yes
hot swapping	No for basic NIMs
fallback	State 0
Data format	EN 61131-2 IEC 61131-2
Update time	25 ms
Conversion time	900 ms at +/- 0.1 % of final value
Protection Type	Short-circuit protection
Integral linearity	+/- 0.1 %FS
Differential linearity	Monotonic
Absolute accuracy error	+/- 0.5 % of full scale per °C
Temperature Drift	+/-0.01 %/°C
Insulation between channels and logic bus	1500 V for 1 minute
Insulation between channels and actuator bus	30 V
Addressing requirement	2 output words
Product Compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	40 mA 5 V DC logic bus

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Marking	CE
Overvoltage category	II
Status LED	1 LED (Green) module status (RDY)
Depth	2.8 in (70 mm)
Height	0.5 in (13.9 mm)
Width	5.05 in (128.3 mm)

Environment

Product Certifications	CSA UL FM Class 1 Division 2
Pollution degree	2 IEC 60664-1
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 conforming to IEC 61131-2 class 1
Ambient air temperature for operation	32...140 °F (0...60 °C) (without)
Ambient air temperature for operation	32...140 °F without
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without
Ambient air temperature for storage	-40...185 °F without
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863948790
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.06 in (2.7 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	5.12 in (13.0 cm)
Package weight(Lbs)	4.8 oz (136.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Package 2 Weight	10.507 lb(US) (4.766 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	448
Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	23.62 in (60.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	174.2 lb(US) (79 kg)

Contractual warranty

Warranty	18 months
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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 >](#)

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) **16**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **No**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Pro-active compliance (Product out of EU RoHS legal scope)**

SCIP Number **6830dd70-e4bc-47df-85c7-e41f888576f4**

REACH Regulation [REACH Declaration](#)

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 Again

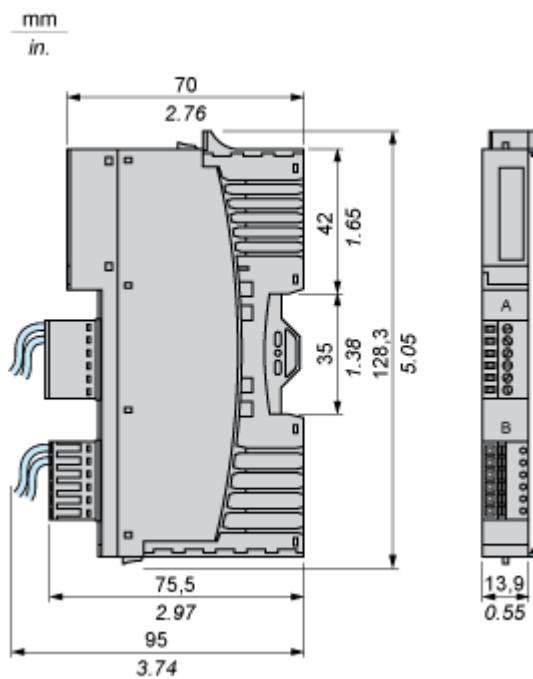
Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back **No**

Dimensions Drawings

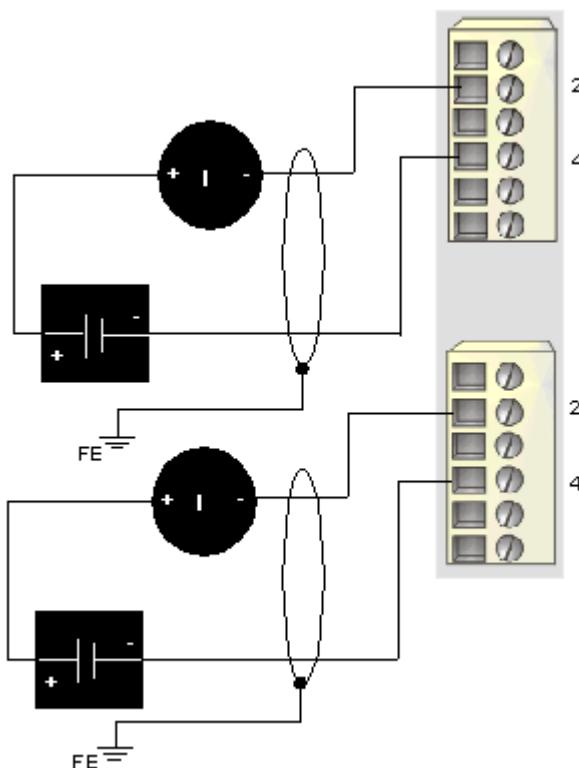
Dimensions



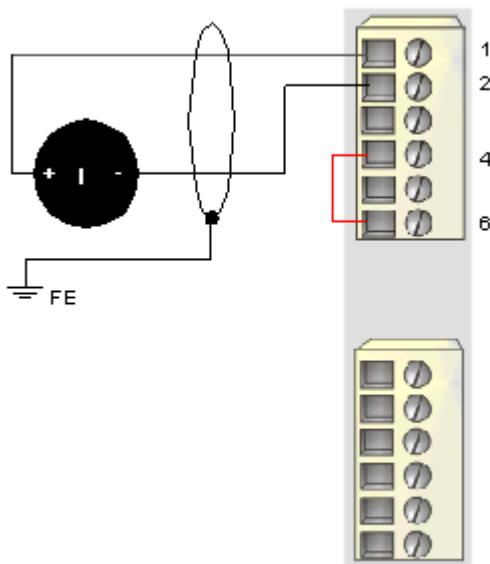
Connections and Schema

Wiring Diagrams**Examples**

2 isolated analog actuators, external 24 VDC power supplies



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



Pin	Top Connections	Bottom Connections
1	+24 VDC from actuator bus for field device accessories	+24 VDC from actuator bus for field device accessories

Pin	Top Connections	Bottom Connections
2	output to actuator 1	output to actuator 2
3	no connection	no connection
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)