Product data sheet
Characteristics

STBACO1225K
basic analog output kit, Modicon STB, 4 to 20mA, 2O, 10 bits

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
Marking	CE
Overvoltage category	II
Status LED	1 LED (Green) module status (RDY)
Depth	2.76 in (70 mm)
Height	0.55 in (13.9 mm)
Width	5.05 in (128.3 mm)

Environment

Product Certifications	CSA[RETURN]UL[RETURN]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	18215-ADVANTYS STB I/O
Discount Schedule	PC32
GTIN	3595863948790
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	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 1 Weight	4.80 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	10.51 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	174.17 lb(US) (79 kg)

Offer Sustainability

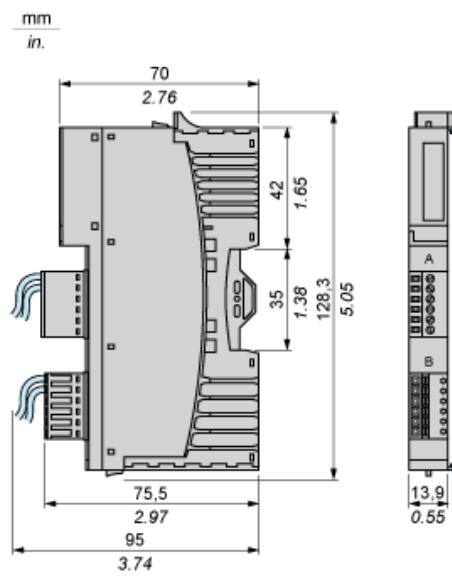|	
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

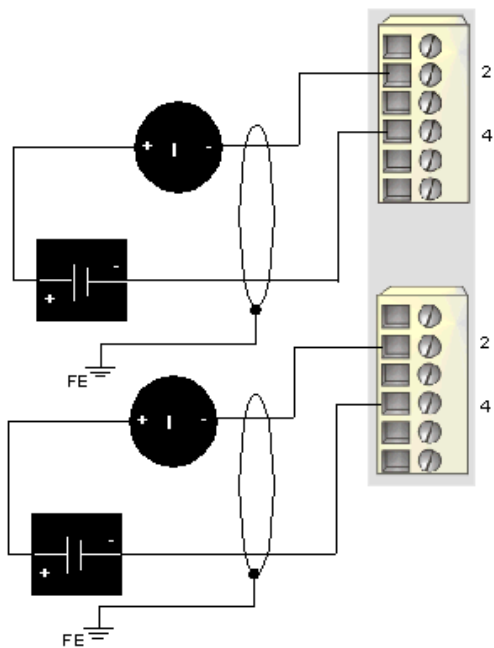|	
Warranty	18 months

STBACO1225K

Dimensions

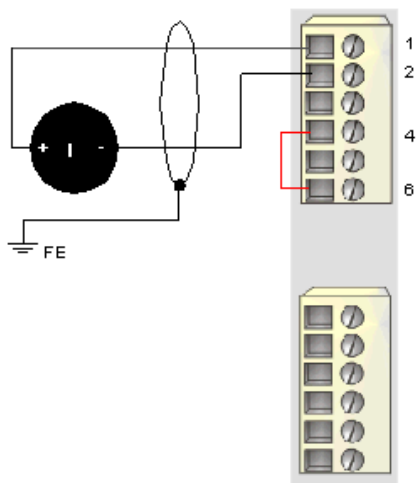## Wiring Diagrams

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
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)