



### 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 at 5 V DC for logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED (green) module status (RDY)
Depth	70 mm
Height	13.9 mm
Width	128.3 mm

### Environment

Product certifications	CSA[RETURN]UL[RETURN]FM Class 1 Division 2
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to IEC 61131-2 class 1
Ambient air temperature for operation	0...60 °C (without)

Ambient air temperature for operation	32...140 °F without
Ambient air temperature for storage	-40...85 °C without
Ambient air temperature for storage	-40...185 °F without
Relative humidity	95 % at 60 °C without condensation
Vibration resistance	3 gn at 58...150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58...150 Hz on 35 x 15 mm symmetrical DIN rail +/-0.35 mm at 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	2.7 cm
Package 1 Width	8.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	136.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.766 kg
Unit Type of Package 3	P06
Number of Units in Package 3	448
Package 3 Height	75.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	79 kg

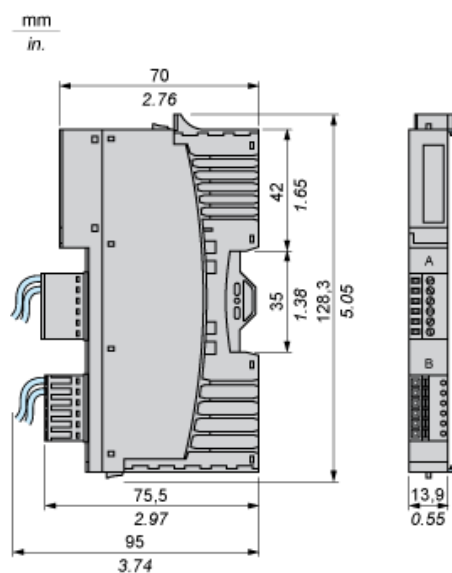
## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
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
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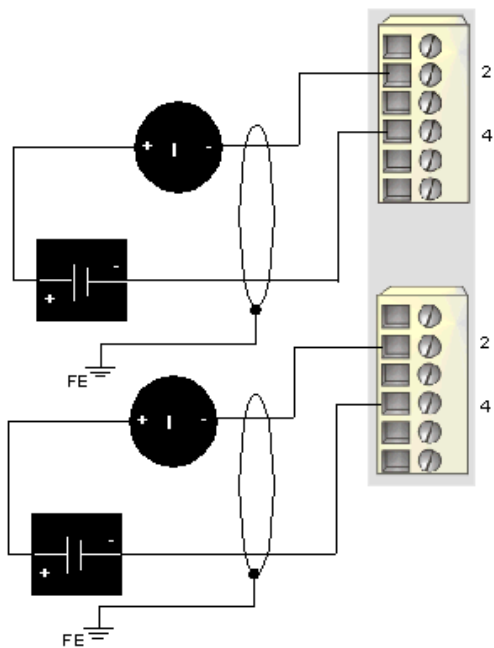
## Dimensions



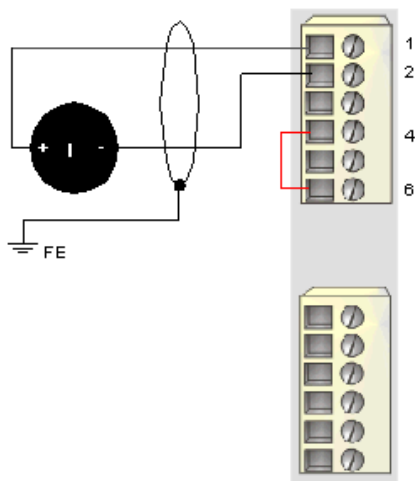
Wiring Diagrams

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)