



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard analog output kit
Kit composition	STBACO8220 module STBXBA2000 base 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	15 bits + sign

Complementary

Analogue output current	0.02 A
Response time	40 ms plus update time
Cold swapping	Yes
Hot swapping	Yes for standard NIMs
Fallback	State 0 basic NIMs User configurable standard NIMs
Data format	EN 61131-2 IEC 61131-2
Update time	8 ms
Integral linearity	+/- 0.05 %FS
Differential linearity	Monotonic
Absolute accuracy error	+/- 0.3 % of full scale at 25 °C
Temperature drift	+/-0.005 %/°C
Insulation between channels and logic bus	1500 V for 1 minute
Insulation between channels and actuator bus	200 V
Product compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	210 mA at 5 V DC for logic bus

Marking	CE
Overvoltage category	II
Status LED	1 LED (green) module status (RDY): 1 LED (red) module error (ERR):
Depth	70 mm
Height	18.4 mm
Width	128.3 mm

Environment

Product certifications	UL FM Class 1 Division 2 CSA
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to EN 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

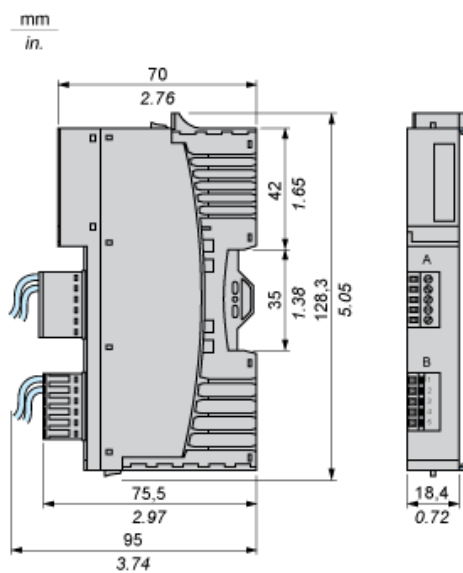
Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
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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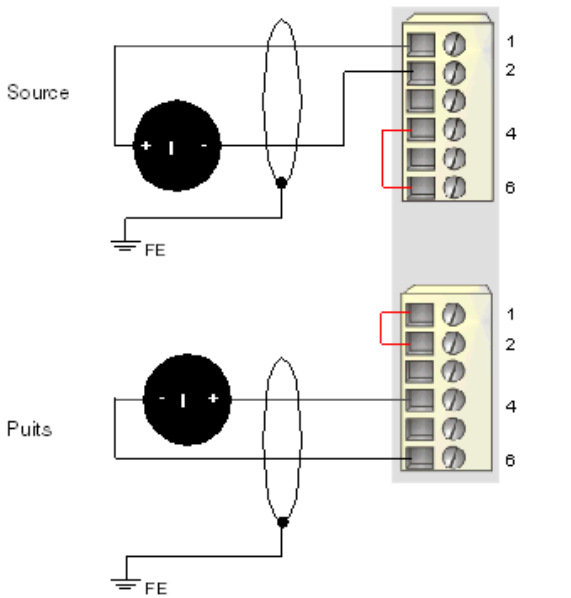
Dimensions



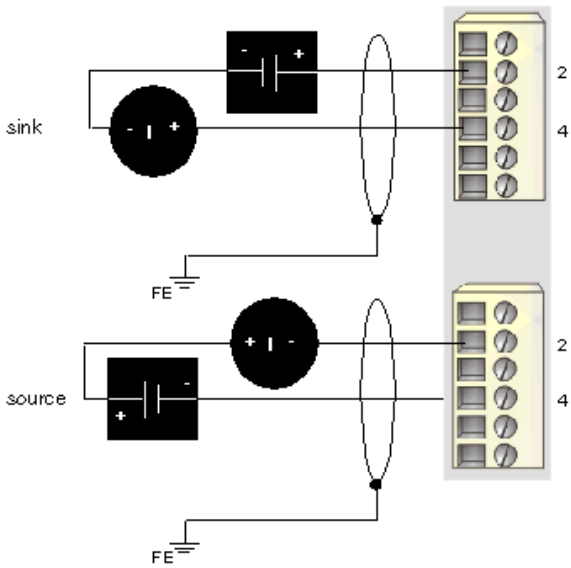
Wiring Diagrams

Examples

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



2 isolated analog actuators, external 24 VDC power supply



Pin	Top Connections	Bottom Connections
1	+24 VDC loop supply	+24 VDC loop supply
2	output to actuator 1	output to actuator 2
3	no connection	no connection
4	output channel return	output channel return

Pin	Top Connections	Bottom Connections
5	no connection	no connection
6	loop power return (to the module)	loop power return (to the module)