



## Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard analog output kit
Kit composition	STBAV11270 module STBXBA2000 base STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector
Analogue output type	Current 0...20 mA Current 4...20 mA
Analogue output number	2
Analogue output resolution	15 bits + sign

## Complementary

Analogue output current	0.02 A
Response time	4 ms
Cold swapping	Yes
Hot swapping fallback	Yes for standard NIMs
Fallback status	State 0 basic NIMs User configurable standard NIMs
Data format	EN 61131-2 IEC 61131-2
Update time	8 ms
Conversion time	4 ms for both channels
Integral linearity	+/- 0.5 %FS
Differential linearity	Monotonic
Absolute accuracy error	+/- 0.3 % of full scale 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	Mounting base STBXBA1000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	210 mA 5 V DC 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	CSA FM Class 1 Division 2 UL
pollution degree	2 IEC 60664-1
operating altitude	<= 2000 m
IP degree of protection	IP20 EN 61131-2 class 1

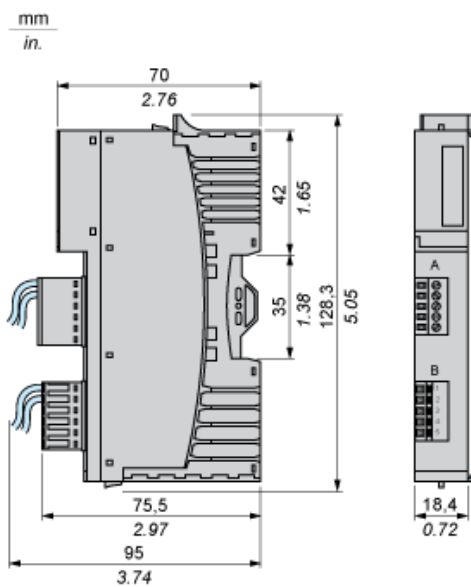
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ambient air temperature for operation	0...60 °C without
ambient air temperature for operation	32...140 °F without
ambient air temperature for storage	-40...85 °C without
ambient air temperature for storage	-40...185 °F without
relative humidity	95 % 60 °C without condensation
vibration resistance	+/-0.35 mm 10...58 Hz 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
shock resistance	30 gn 11 ms IEC 88 reference 2-27

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0835 - Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

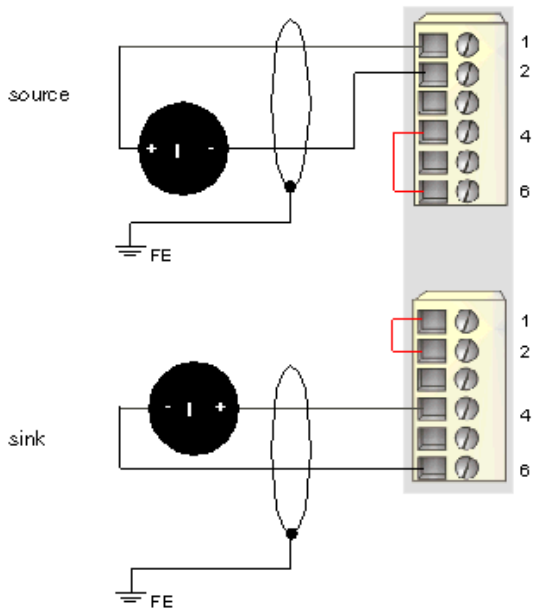
## Dimensions



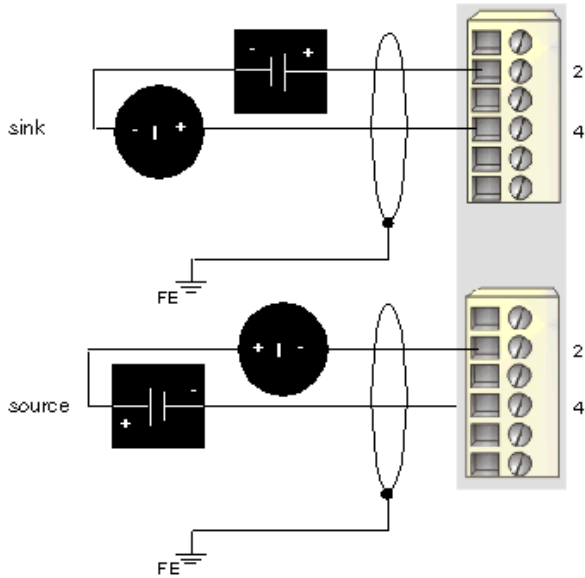
## Wiring Diagrams

### 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
5	no connection	no connection
6	loop power return (to the module)	loop power return (to the module)