



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard digital output kit
Kit composition	STBDDO3230 module STBXBA1000 base STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector
Discrete output number	2
Discrete output type	Solid state
Discrete output voltage	24 V
Discrete output voltage type	DC

Complementary

Discrete output current	2000 mA
Discrete output logic	Positive or negative
Permissible voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Response time	720 µs on-to-off 520 µs off-to-on
Cold swapping	Yes
Hot swapping	Yes for standard NIMs
Fallback	User configurable standard NIMs State 0 basic NIMs
Protection type	Power protection 1 external fuse per output time lag 2.5 A Thermal overload protection Short-circuit protection Reverse polarity protection
Insulation between channels	1500 V for 1 minute
Insulation between channels and logic bus	1500 V for 1 minute
Leakage current	<= 1 mA at state 0 30 V
Surge current	<= 10 A 0.5 ms
Load capacitance	<= 50 µF
Load inductance	<= 500 mH 4 Hz
Minimum load	2 mA
Reset	Manual or automatic reset COM fault
Product compatibility	I/O base STBXBA1000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	45 mA 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED red module error (ERR) 1 LED per channel green channel status (OUT1 to OUT2) 1 LED green module status (RDY)
Height	13.9 mm
Depth	70 mm
Width	128.3 mm
Product weight	0.116 kg

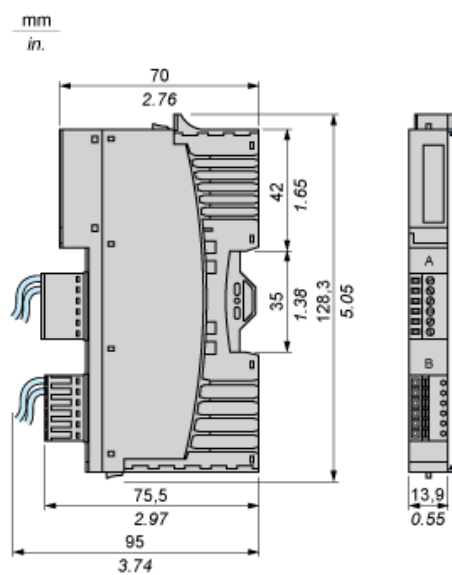
Environment

Standards	EN/IEC 61131-2
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
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	5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail 3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental

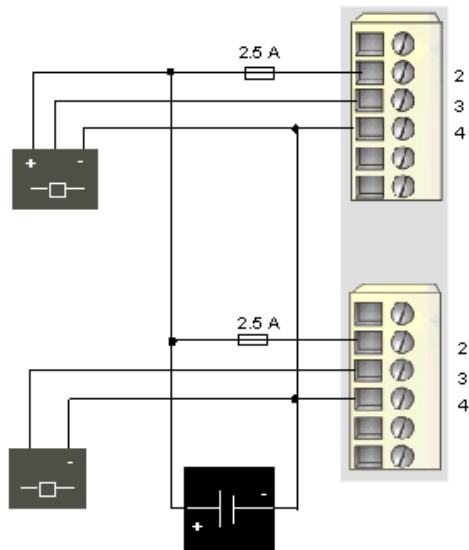
Dimensions



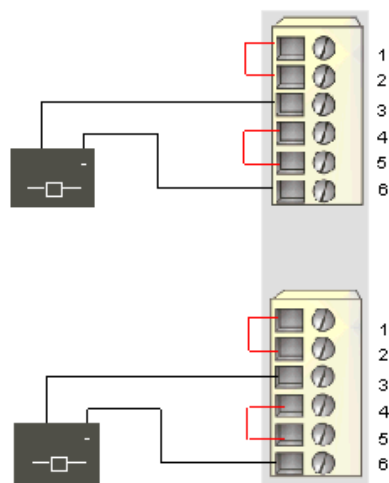
Wiring Diagrams

Examples

1 three-wire actuator and 1 two-wire actuator with external 24 VDC power supply



2 two-wire actuators powered via the PDM



Pin	Top Connector	Bottom Connector
1	+24 VDC actuator bus power	+24 VDC actuator bus power
2	independent power supply in	independent power supply in
3	output to actuator 1	output to actuator 2
4	independent power supply return	independent power supply return
5	field power return (to the module)	field power return (to the module)
6	field power return (to the module)	field power return (to the module)