



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard digital output kit
Kit composition	STBXBA1000 base STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector STBDDO3230 module
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
Output voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Response time	520 µs off-to-on 720 µs on-to-off
Cold swapping	Yes
Hot swapping	Yes for standard NIMs
Fallback	State 0 basic NIMs User configurable standard NIMs
Protection type	Power protection 1 external fuse per output time lag 2.5 A Reverse polarity protection Short-circuit protection Thermal overload protection
Insulation between channels	1500 V for 1 minute
Insulation between channels and logic bus	1500 V for 1 minute
Maximum leakage current	1 mA at state 0 30 V
Surge current	10 A 0.5 ms
Maximum load capacitance	50 µF
Maximum load inductance	500 mH at 4 Hz
Minimum load	2 mA
Reset	Manual or automatic reset COM fault
Product compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	45 mA at 5 V DC for logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED (green)module status (RDY) 1 LED per channel (green)channel status (OUT1 to OUT2) 1 LED (red)module error (ERR)
Height	13.9 mm
Depth	70 mm
Width	128.3 mm
Net weight	0.116 kg

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Environment

Standards	EN/IEC 61131-2
Product certifications	FM Class 1 Division 2 CSA UL
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 derating)
Ambient air temperature for operation	32...140 °F without derating
Ambient air temperature for storage	-40...85 °C without derating
Ambient air temperature for storage	-40...185 °F without derating
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

Package 1 Weight	0.136 kg
Package 1 Height	25.000 mm
Package 1 width	80.000 mm
Package 1 Length	130.000 mm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
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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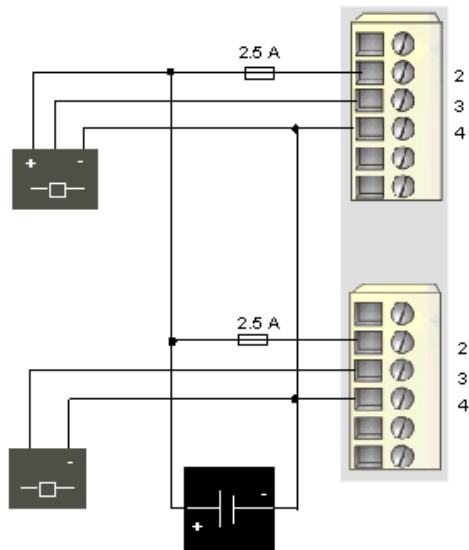
Dimensions



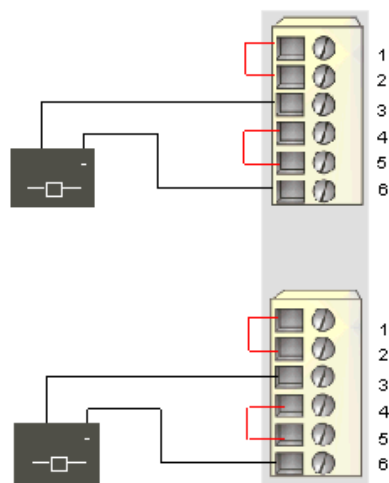
Wiring Diagrams

Examples

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)