



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard power distribution kit

Complementary

Kit composition	STBPDT2100 module STBXBA2200 base STBXTS1130, screw type connectors STBXTS2130, spring type connectors
[Us] rated supply voltage	24 V
Supply circuit type	DC
Power supply output current	<= 10 A 45 °C input/output circuit <= 12 A 30 °C input/output circuit <= 6 A 70 °C input/output circuit <= 8 A 60 °C input/output circuit 0...4 A 30 °C input circuit 0...8 A 30 °C output circuit
Voltage range	19.2...30 V DC sensor/actuator bus
Hot swapping fallback	Hot swapping illegal
Protection type	Built-in overcurrent protection 10 A time-lag output circuit Built-in overcurrent protection 5 A time-lag input circuit Reverse polarity actuator bus
Permissible current	30 A for 2 minutes grounding terminal
Voltage detection threshold	< 15 V +/-1 DC IN/OUT LED lit >= 15 V +/-1 DC IN/OUT LED non lit
Product compatibility	Mounting base STBXBA2200
Marking	CE
Overvoltage category	II
Status LED	1 LED green actuator bus power supply (OUT) 1 LED green sensor bus power supply (IN)
Depth	65.1 mm
Height	18.4 mm
Width	125 mm

Product weight	0.13 kg
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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
Ambient air temperature for operation	0...60 °C without derating -25...70 °C with derating factor
Ambient air temperature for storage	-40...85 °C
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

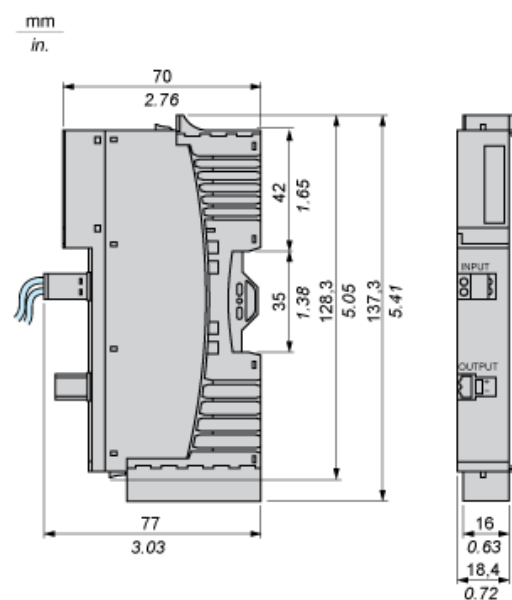
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months
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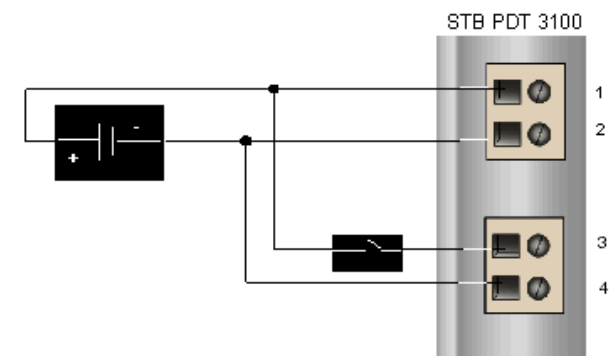
Dimensions



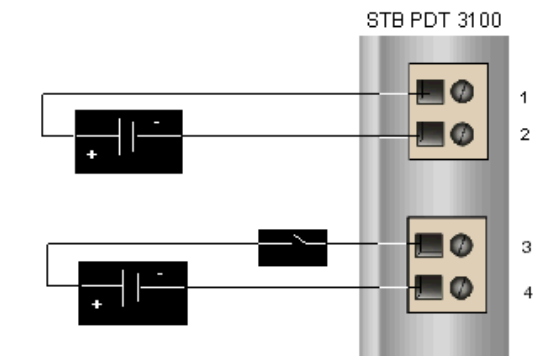
Wiring Diagrams

Examples

Single power supply



Separated power supplies



Pin	Top Connector	Bottom Connector
1	+24 VDC for the sensor bus	+24 VDC for the sensor bus
2	-24 VDC sensor power return	-24 VDC actuator power return

Performance Curve

