



Main

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

Complementary

Kit composition	STBXTS2130, spring type connectors STBPDT3100 module STBXBA2200 base STBXTS1130, screw type connectors
[Us] rated supply voltage	24 V
Supply circuit type	DC
Power supply output current	10 A at 45 °C (input/output circuit) 12 A at 30 °C (input/output circuit) 6 A at 70 °C (input/output circuit) 8 A at 60 °C (input/output circuit) 0...4 A at 30 °C (input circuit) 0...8 A at 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 fuse for output circuit Built-in overcurrent protection, 5 A time-lag fuse for input circuit Reverse polarity for 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
Oversupply 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	125 mm
Width	18.4 mm
Net weight	0.13 kg

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) -25...70 °C (with derating factor)

Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % at 60 °C without condensation
Vibration resistance	+/-0.35 mm at 10...58 Hz 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
Shock resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	150 g
Package 1 Height	2.8 cm
Package 1 width	8.4 cm
Package 1 Length	13.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Weight	4.026 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

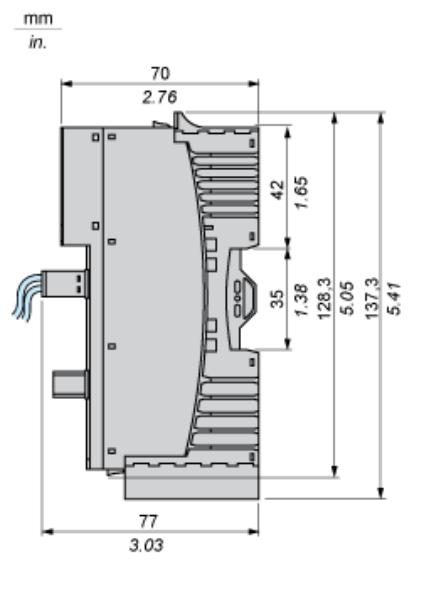
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <input checked="" type="checkbox"/> EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	<input checked="" type="checkbox"/> 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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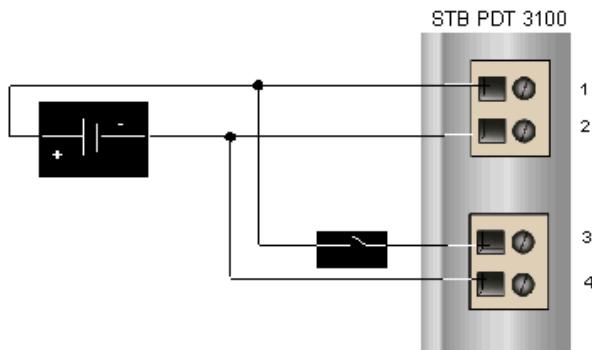
Dimensions



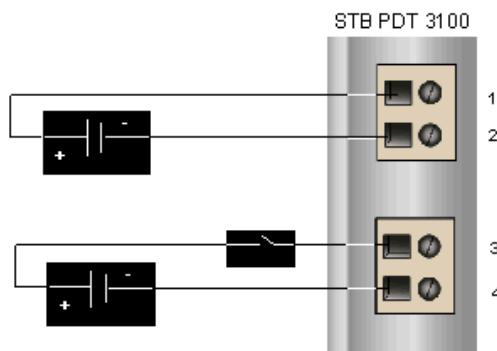
Wiring Diagrams

Examples

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

