

Product data sheet

Specifications



standard power distribution kit STB - 115..230 V AC

STBPDT2100K

Product availability: Stock - Normally stocked in distribution facility

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 STBXTS2130, spring type connectors STBXTS1130, screw type connectors
[Us] Rated Supply Voltage	115...230 V
Supply Circuit Type	AC
Supply Frequency	50...60 Hz
Power Supply Output Current	0...10 A 86 °F (30 °C) output circuit) 0...2.5 A 140 °F (60 °C) input circuit) 0...5 A 86 °F (30 °C) input circuit) 0...5 A 140 °F (60 °C) output circuit)
Voltage Range	85...265 V AC 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
Permissible Current	30 A for 2 minutes grounding terminal
Voltage Detection Threshold	< 50 V +/-5 AC IN/OUT LED non lit > 70 V +/-5 AC IN/OUT LED 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	2.56 in (65.1 mm)
Height	0.72 in (18.4 mm)
Width	4.92 in (125 mm)
Net Weight	0.28 lb(US) (0.129 kg)

Environment

Product Certifications	CSA FM Class 1 Division 2 UL
Pollution Degree	2 IEC 60664-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Operating Altitude	<= 6561.68 ft (2000 m)
Ip Degree Of Protection	IP20 conforming to EN 61131-2 class 1
Ambient Air Temperature For Operation	32...140 °F (0...60 °C) without
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Relative Humidity	95 % 140 °F (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

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
Gtin	3595863949186
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.06 in (2.7 cm)
Package 1 Width	3.39 in (8.6 cm)
Package 1 Length	5.51 in (14.0 cm)
Package 1 Weight	5.15 oz (146.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	24
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.66 lb(US) (3.93 kg)
Unit Type Of Package 3	PAL
Number Of Units In Package 3	384
Package 3 Height	23.62 in (60.0 cm)
Package 3 Width	31.50 in (80.0 cm)
Package 3 Length	151.18 in (384.0 cm)
Package 3 Weight	123.60 lb(US) (56.064 kg)

Contractual warranty

Warranty	18 months
----------	-----------

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation

[China RoHS declaration](#)

Weee

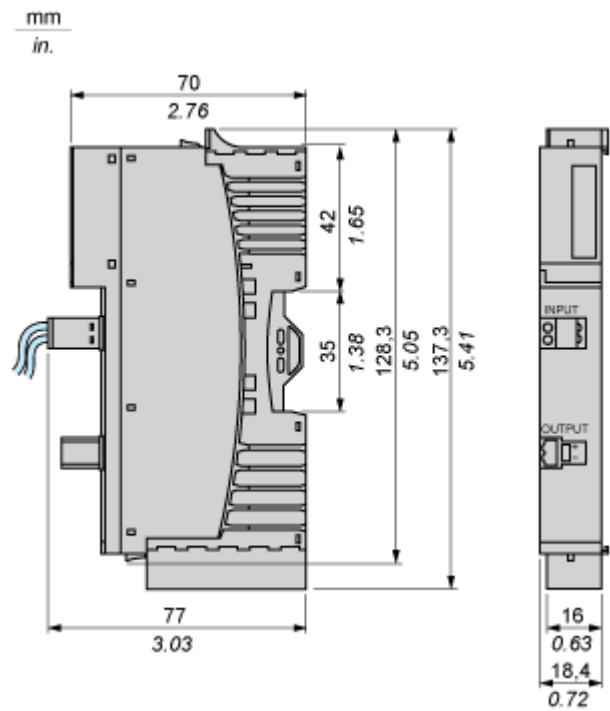
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

California Proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Dimensions

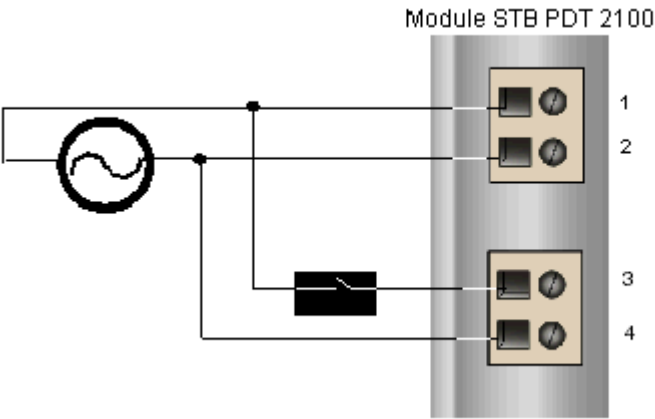


Connections and Schema

Wiring Diagram

Example

Single power supply



Pin	Top Connector	Bottom Connector
1	+115/230 VAC for the sensor bus	+115/230 VAC for the actuator bus
2	-115/230 VAC sensor power return	-115/230 VAC actuator power return