

power distribution kit, Modicon STB, standard, 24V DC

STBPDT3100K

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

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 113 °F (45 °C) input/output circuit) 12 A 86 °F (30 °C) input/output circuit) 6 A 158 °F (70 °C) input/output circuit) 8 A 140 °F (60 °C) input/output circuit) 04 A 86 °F (30 °C) input circuit) 08 A 86 °F (30 °C) output circuit)	
Voltage range	19.230 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	LED (Green) actuator bus power supply (OUT) LED (Green) sensor bus power supply (IN)	
Depth	2.6 in (65.1 mm)	
Height	4.9 in (125 mm)	
Width	0.7 in (18.4 mm)	
Net Weight	0.29 lb(US) (0.13 kg)	

Environment

Product Certifications	UL	
	FM Class 1 Division 2	
	CSA	

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

Pollution degree	2 IEC 60664-1	
Operating altitude	<= 6561.68 ft (2000 m)	
IP degree of protection	IP20 conforming to IEC 61131-2 class 1	
Ambient air temperature for operation	32140 °F (060 °C) (without) -13158 °F (-2570 °C) (with derating factor)	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Relative humidity	95 % 140 °F (60 °C) without condensation	
Vibration resistance	+/-0.35 mm 1058 Hz 3 gn 58150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58150 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	3595863949216
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.98 in (2.5 cm)
Package 1 Width	3.35 in (8.5 cm)
Package 1 Length	5.51 in (14.0 cm)
Package 1 Weight	5.3 oz (150.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	8.876 lb(US) (4.026 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	23.62 in (60.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	166.49 lb(US) (75.52 kg)

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
REACh Regulation	REACh Declaration
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

Use Again

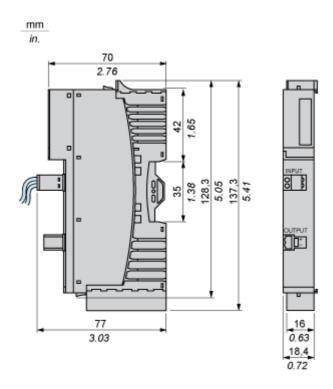
○ Repack and remanufacture	
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Product data sheet

STBPDT3100K

Dimensions Drawings

Dimensions



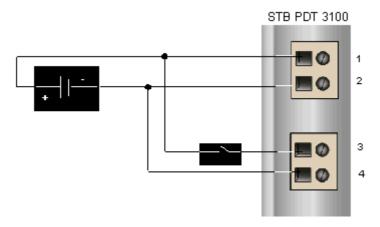
STBPDT3100K

Connections and Schema

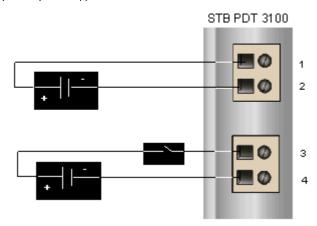
Wiring Diagrams

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 Curves

Performance Curve

