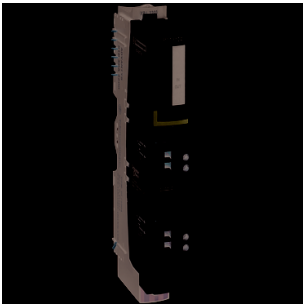


Product data sheet

Specifications



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

STBPDT3100K

⚠ To be discontinued on: Dec 1, 2027

⚠ To be end-of-service on: Dec 31, 2035

⚠ To be discontinued

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
Kit composition	STBXTS2130, spring type connectors STBPDT3100 module STBXBA2200 base STBXTS1130, screw type connectors
Product Compatibility	Mounting base STBXBA2200
[Us] rated supply voltage	24 V DC
Power supply output current	10 A input/output circuit 12 A input/output circuit 6 A input/output circuit 8 A input/output circuit 0...4 A input circuit 0...8 A output circuit

Complementary

Voltage range	19.2...30 V DC sensor/actuator bus
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
Hot swapping fallback	No
Protection Type	Overcurrent protection Reverse polarity
Local signalling	1 LED green actuator bus power supply (OUT) 1 LED green sensor bus power supply (IN)
Housing Colour	White
Height	4.9 in (125 mm)
Width	0.7 in (18.4 mm)
Depth	2.6 in (65.1 mm)
Product Weight	0.29 lb(US) (0.13 kg)
Overvoltage category	II

Environment

IP Degree of Protection	IP20
Marking	CE

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

Product certifications	CSA FM Class 1 Division 2 UL
Standards	EN/IEC 61131-2 type 1
Ambient air temperature for operation	32...140 °F (0...60 °C) without derating
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without derating
Relative humidity	95 % 140 °F (60 °C) without condensation
Operating altitude	<= 6561.68 ft (2000 m)
Pollution degree	2
Vibration resistance	3 gn 58...150 Hz) on 35 mm DIN rail 5 gn 58...150 Hz) on 35 mm DIN rail +/-0.35 mm 10...58 Hz)
Shock resistance	30 gn 11 msIEC 88 reference 2-27

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863949216
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.0 in (2.5 cm)
Package 1 Width	3.3 in (8.5 cm)
Package 1 Length	5.5 in (14.0 cm)
Package weight(Lbs)	5.3 oz (150.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 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	29.5 in (75.0 cm)
Package 3 Width	23.6 in (60.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	166.49 lb(US) (75.52 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

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
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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 Longer

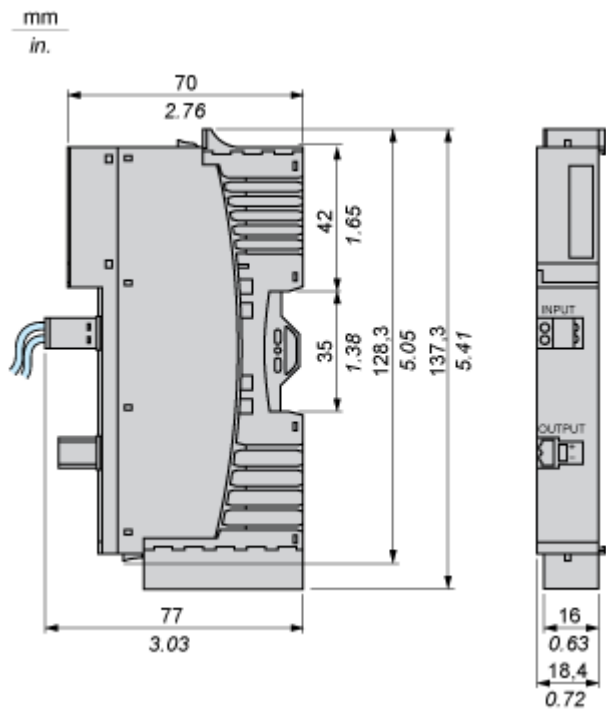
Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No

Dimensions Drawings

Dimensions

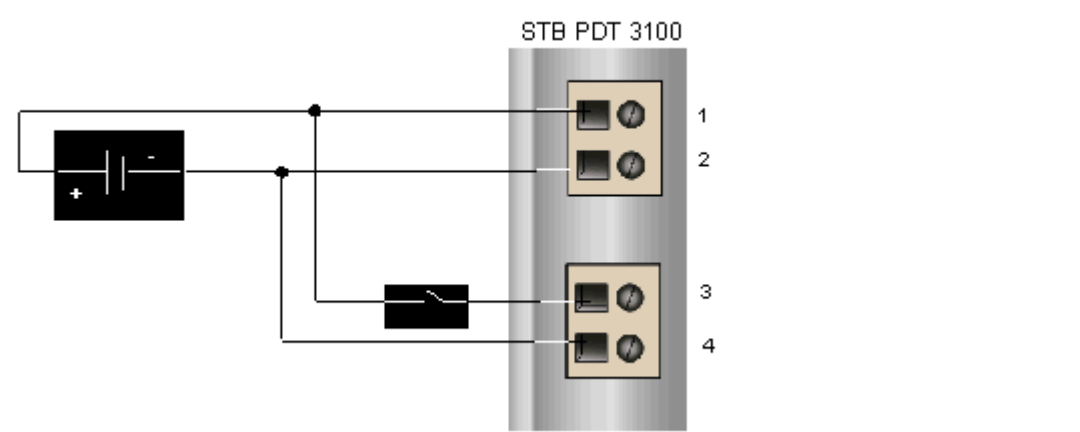


Connections and Schema

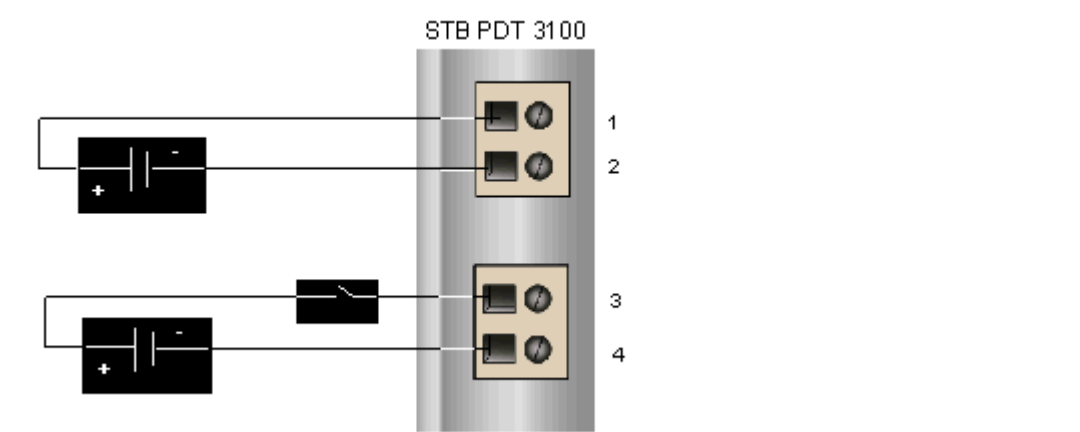
Wiring Diagrams

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

