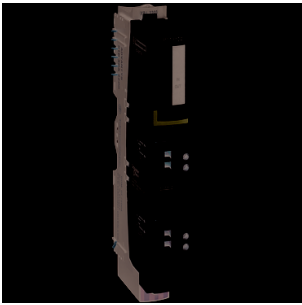


Product datasheet

Specifications



standard power distribution kit STB - 24 V DC

Local distributor code:
389839361 STBPDT3100K

⚠ To be discontinued on: 1 Dec 2027

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

⚠ To be discontinued

EAN Code: 3595863949216

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 for DC
Power supply output current	10 A for input/output circuit 12 A for input/output circuit 6 A for input/output circuit 8 A for input/output circuit 0...4 A for input circuit 0...8 A for output circuit

Complementary

Voltage range	19.2...30 V DC sensor/actuator bus
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
Hot swapping fallback	No
Protection type	Overcurrent protection Reverse polarity
Local signalling	1 LED green for actuator bus power supply (OUT) 1 LED green for sensor bus power supply (IN)
Housing colour	White
Height	125 mm
Width	18.4 mm
Depth	65.1 mm
Product weight	0.13 kg
Overvoltage category	II

Environment

IP degree of protection	IP20
Marking	CE

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	0...60 °C (without derating)
Ambient air temperature for storage	-40...85 °C without derating
Relative humidity	95 % at 60 °C without condensation
Operating altitude	<= 2000 m
Pollution degree	2
Vibration resistance	3 gn (f = 58...150 Hz) on 35 mm DIN rail 5 gn (f = 58...150 Hz) on 35 mm DIN rail +/-0.35 mm (f = 10...58 Hz)
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 Height	2.5 cm
Package 1 Width	8.5 cm
Package 1 Length	14.0 cm
Package 1 Weight	150.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.026 kg
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	75.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	75.52 kg

Logistical informations

Country of origin	ID
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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

Use Longer

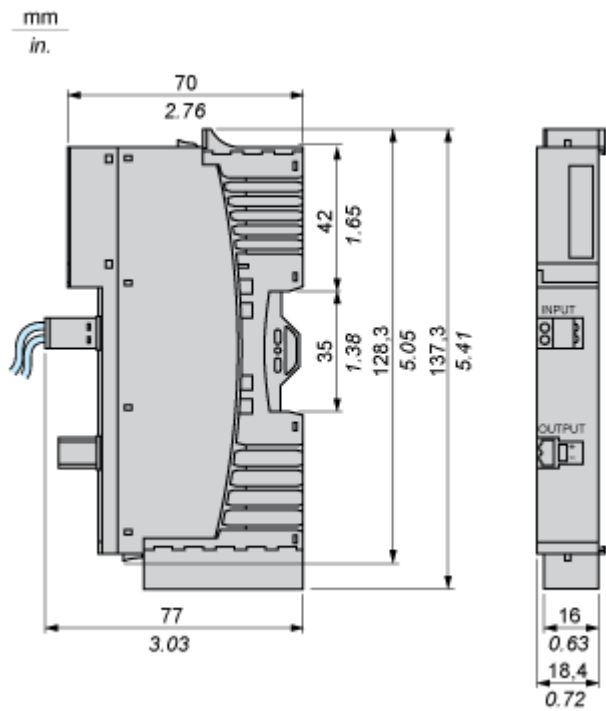
Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No

Dimensions Drawings

Dimensions

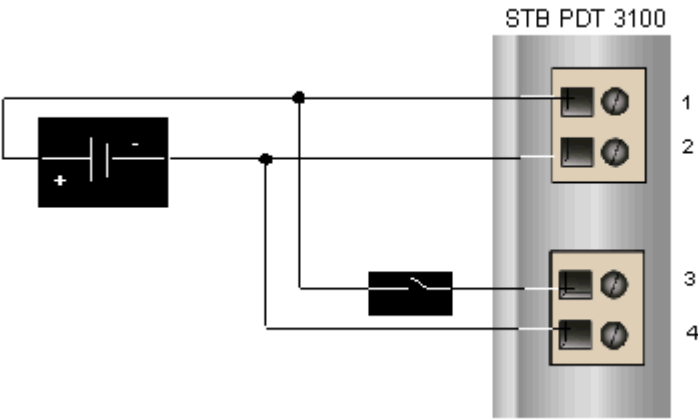


Connections and Schema

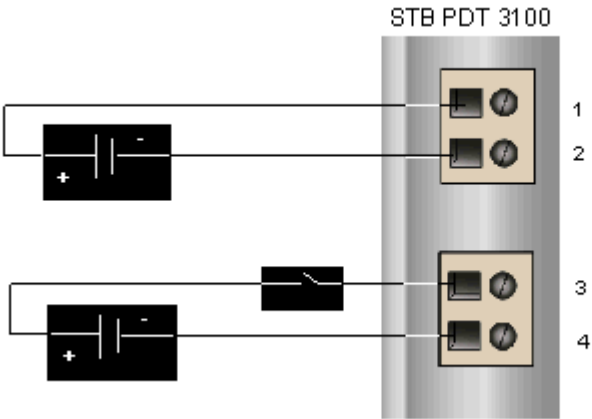
Wiring Diagrams

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

