


Product data sheet

Specifications



standard power distribution module STB - 24 V DC

STBPDT3100

 **Discontinued on:** 09 September 2009

 **Discontinued**

Main

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

Complementary

[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
Overvoltage category	II
Status LED	1 LED (green) actuator bus power supply (OUT) 1 LED (green) sensor bus power supply (IN)
Height	18.4 mm
Width	125 mm
Product weight	0.13 kg

Environment

Product certifications	UL CSA FM Class 1 Division 2
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 derating) -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

Contractual warranty

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

Recommended replacement(s)

STBPDT3100 is replaced by:

1x		power distribution kit, Modicon STB, standard, 24V DC STBPDT3100K
----	--	--