



SX-20NE-RT

TECHNICAL DESCRIPTION

The SX-20NE-RT shall be housed in a magnetic shielding NEMA steel enclosure. It shall operate from 120 volts AC and have a barrier strip accessible through knock-outs in the enclosure for hardwiring power input and output connections. Overall dimensions shall be 12.0" H x 12.0" W x 4.0" D. Weight shall be 12 pounds. The unit shall have remote turn-on capabilities enabled by a hardwired connection to a separate terminal block within the enclosure. Remote turn-on and turn-off shall be activated by either a contact closure or applied DC voltage. There shall be an output voltage source for connection to a remote LED status indicator and a relay output for control and cascading. The SX-20NE-RT shall have a load rating of 20 amps at 120 volts, a self-test circuit with visual indicator and provide EMI/RFI filtering. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		SX-20NE-RT
Load Rating		20A
Voltage Rating		120V
Power Requirement (no load)		15 W
Surge Let-through Voltage (6000 Volt Surge)		0 Volts
Maximum Applied Surge Voltage		6000 Volts *
Maximum Applied Surge Current		Unlimited (due to current limiting) *
Maximum Applied Surge Energy		Unlimited (due to current limiting) *
Endurance (C62.41-1991 category B3 pulses)		1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000
EMI/RFI Filter	Normal mode (50Ω load)	> 20 dB, 120 kHz – 50 MHz > 30 dB, 150 kHz – 50 MHz 11 dB @ 100 kHz; 55 dB @ 300 kHz; 72 dB @ 3 MHz; 48 dB @ 30 MHz
	Common Mode (50Ω load)	> 10 dB, 350 kHz – 50 MHz > 20 dB, 1.8 MHz – 50 MHz > 30 dB, 6.25 MHz – 42 MHz 9 dB @ 300 kHz; 17 dB @ 1 MHz; 28 dB @ 5 MHz; 35 dB @ 20 MHz
Under-Voltage Auto Shutdown		No
Over-Voltage Auto Shutdown		No
Over-Current Auto Shutdown		None
Over-Temperature Auto Shutdown		None
Measurement Accuracy	Voltage	NA
	Current	NA
	Power	NA
	Energy	NA
	Temperature	NA
Network Port		No
Serial Port		None
Temperature Sensor Input		None
Auxiliary Relay Outputs		2 x screw terminal
Contact Closure Input		2 x screw terminal
Dimensions		12.0" H x 12.0" W x 4.0" D
Weight		12 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Conforms to UL Std 1283 Certified to CSA Std C22.2 No. 8

* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

** Specifications subject to change without notice

SPECS v.030118

