

SECONDARY SURGE PROTECTOR SURGITRON

MODEL NUMBER SCHEME

Available Configurations

Model Number	Voltage	Configuration
1250-32	120 Vac	1-Phase, 2 Wire
1250-32-E	208-277 Vac	1-Phase, 2 Wire
1250-33	120/240 Vac	1-Phase, 3 Wire

SPECIFICATIONS

Model	1250-32	1250-32-E	1250-33
Maximum Continuous Operating Voltage	175 Vrms 210 Vdc	310 Vrms 360 Vdc	175 Vrms 210Vdc
Suppression Voltage, L-(N+G) using ANSI/IEEE C62.41Waveshapes			
200 A, 100 kHz	460 V	720 V	470 V
500 A, 100 kHz	490 V	760 V	520 V
500 A, 8/20 μs	420 V	710 V	435 V
1.5 kA, 8/20 μs	440 V	720 V	460 V
3 kA, 8/20 μs	480 V	800 V	500 V
5 kA, 8/20 μs	520 V	820 V	550 V
10 kA, 8/20 μs	580 V	920 V	650 V
UL 1449 Suppression Voltage	500 V	800 V	500 V
Maximum Single Surge, 8/20 μs	25 kA	25 kA	20 kA
Transient Energy Rating, 8/20 μs, total	760 J	1400 J	1140 J
Surge Life	10 kA, 8/20 μs >30 times 3 kA, 8/20 μs >1,250 times 1.5 kA, 8/20 μs >10,000 times		

SYSTEM FEATURES AND BENEFITS

- SPD Category/Type/Technology – Permanently connected/ light duty/ metal oxide varistor.
- Location/Mounting – Outdoor or indoor, line or load side of main service disconnect. Intended for installation <10m from main panel (neutral-ground bond). In accessible areas, the arresters should be installed within an electrical panel or enclosure. All models can be ordered without the bracket: add -L to the model number, e.g. 1250-33-L.

CHARACTERISTICS

Power Frequency	DC - 400 Hz
System Power Rating	Unlimited
Component Response Time	<1 ns
Operating Temperature	-40° to +85° C
Max Operating Altitude	7000 m
Warranty:	1 year

TYPICAL APPLICATIONS

