



WYE 3 Hots, 1 Neu, 1 Grnd

Technical Features	Catalog Number	
	STZ480Y30B1T	
Approval Standard	UL 1449 Edition 4 th	
Configuration	Wye, 3 hots, 1 Neu, 1 Grnd	
Technology	- TPMOV [®] (Intergrated Fuse Inside)	
Type of Connection	Parallel	
Frequency	47 - 63Hz	
Mode of Protection	10 Modes (L-N, L-L, L-G, N-G)	
Nominal Voltage	U_n	220/380VAC; 277/480VAC
Maximum Continuous Operating Voltage	U_c	L-N: 320VAC; L-L: 640VAC
Maximum Discharge Current (8/20)	I_{max}	300kA Per Phase; 150kA Per Mode
Nominal Discharge Current (8/20)	I_n	20kA
Voltage Protection Level at 6kV, 3kA	U_p	L-N: 1200V; N-G: 700V
Measured Limited Voltage 2kV, 67A		25 - 47V
Response Time (all modes)	t_A	1ns
Temporary Overvoltage Characteristics	U_T	L-N: 410V/5s; N-G: 425V/5s
Short Circuit Current Rating (SCCR)	I_{sc}	200kA
Filter	EMI/RFI Filter up to -50 dB from 10kHz up to 100 mHz	
Indicator	LED Status Indicator: Green = 67% to 100% life, Yellow = 34% to 66% life, Red = 0 to 33% life. Phase Loss Indication; Audible Alarm; Dry Contact	
Surge Counter	Yes	
Multi Discharge System	Yes	
Remove impulse voltage technology	Standard sinewave for electrical system	
Leakage Current	No	
Degree of Protection	NEMA 1/12/3R/4	
Disconnect	UL98 Switch thru the door handle	
Enclosure material	UL94-5VA	
Mounting On	Panel	
Wire Range	1.5mm ² to 25mm ² (Flexible)/ 35mm ² (Rigid)	
Terminal Torque	14.75 lb - in / 1.67 N - m	
Operating Temperature	-40°C to +85°C	
Humidity Range	0 - 95%	
Warranty	15 Years	

