

SPD50K SERIES

The SPD50K Series offers easily monitored protection from surges. The visual diagnostic system that is featured in the SPD50K is easy to see and easy to diagnose. When the Green LED is visible, the protective device is okay and working correctly. When the Green LED is extinguished an audible alarm will sound. The equipment should be replaced. The LED is visible from multiple sides and angles to allow for better viewing of the status from any of the tri-mount options.

APPLICATIONS

• Programmable Logic Controllers

FEATURES

- 50 kA per phase surge current rating
- Type 1: UL 1449, CSA 22.2 No. 269.1
- 200 kA SCCR
- Complies with UL 96A 12th Edition master label requirements for lighting protection systems
- Voltage specific design
- Tri-mount installation possible via standard 0.75 in. nipple, DIN-Rail mount (rail not included) or bracket mount for flat surfaces
- Visual diagnostics
- Dry contact connection leads exit through nipple via #18 AWG (3 feet) at 24 Vdc @ 2 Amps
- Ten year limited warranty

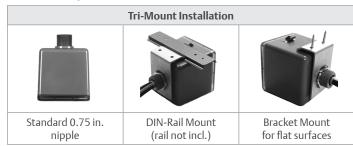
SYSTEM FEATURES

Green = Go Visual Diagnostic Monitoring
Green LED visible = okay, Green LED extinguished = replace
LED visible from multiple sides and angles - better viewing
Every MOV is monitored as opposed to 'power to present'

CERTIFICATIONS AND COMPLIANCES

- (UL) Listed
 - UL 1449
- RoHS Compliant
- ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-2010 and C62.72-2016

INSTALLATION





SPECIFICATIONS

	Performance Specifications						
	50 kA per Phase Surge Current Rating						
UL 1449 Tested Inominal	20 kA						
UL 1449 Tested SCCR	200 kA						
	Individually fused & Thermally Protected MOVS						
Repetitive Impulse	5000 - 3 kA - 8x20 μs 1000 - 10 kA - 8x20 μs						
	Physical Specifications						
Relative Humidity Range	0-95% non-condensing						
Operating Frequency	47-63 Hz						
Operating Temperature	-40 °C (-40 °F) to +85 °C (185 °F)						
Response Time	<1 nanosecond						
	Solid State Bi-directional Operation						
NEMA 4X Polycarbonate Enclosure	UL 94V-0						
	Pre-wired with 3 feet (.9 meter) of #10 AWG Conductor						
Typical Connection	30 A Breaker						

WIRING SPECIFICATIONS

WIKING SPECIFICATIONS											
	System Reference Configuration Diagram		UL 1449 Test Data								
	щ	V Phase A (Black) V Neutral (White) Black White Black	OL 1443 TESL Data								
Model	2 POLE	Phase B (Black) Ground (Green) Green	L-N	L-L	N-G	L-G	I _n	SCCR	MCOV		
SPD50K10S		120/240V	700	1200	600	1200	20 kA	200 kA	150		
		Phase A (Black) Phase A (Black) Black Black Neutral (White) White Phase C (Black)									
Models	Æ	Phase C (Black) Black Green Green	L-N	L-L	N-G	L-G	I _n	SCCR	MCOV		
SPD50K10Y	WYE	208Y/120V	700	1200	600	1200	20 kA	200 kA	150		
SPD50K27Y		480Y/277V	1200	2000	1000	1800	20 kA	200 kA	320		
SPD50K34Y		600Y/347V	1500	2500	1200	2500	20 kA	200 kA	420		
		Phase A (Black) Black Phase C (Black) Black Phase C (Black) Black Ground (Green)	-								
Models	DELTA	Ground (Green) Green	L-N	L-L	N-G	L-G	I _n	SCCR	MCOV		
SPD50K24D*		240V Delta	-	1500	-	1200	20 kA	200 kA	320		
SPD50K48D*		480V Delta	-	3000	-	1800	20 kA	200 kA	552		
SPD50K60D*		600V Delta	-	2500	-	2500	20 kA	200 kA	690		

 $^{^{\}ast}$ Does not include N-G protection



