



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

- 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

Tri-Mount Installation		
Standard 0.75 in. nipple	DIN-Rail Mount (rail not incl.)	Bracket Mount for flat surfaces

SOLAHD

For product information:
www.solahd.com
 1.800.377.4384



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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

Model	System Configuration	Reference Diagram	UL 1449 Test Data						
			L-N	L-L	N-G	L-G	I _n	SCCR	MCOV
SPD50K10S	2 POLE		700	1200	600	1200	20 kA	200 kA	150
			120/240V						
SPD50K10Y SPD50K27Y SPD50K34Y	WYE		700	1200	600	1200	20 kA	200 kA	150
			208Y/120V						
			1200	2000	1000	1800	20 kA	200 kA	320
			480Y/277V						
600Y/347V									
SPD50K24D* SPD50K48D* SPD50K60D*	DELTA		-	1500	-	1200	20 kA	200 kA	320
			240V Delta						
			-	3000	-	1800	20 kA	200 kA	552
			480V Delta						
600V Delta									

* Does not include N-G protection



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