

SPD200K and SPD300K Series

Introduction

The SPD200K and SPD300K Series offers continuous protection from damaging voltage transients and electrical noise commonly found at the service entrance or distribution panel. The design allows for installation flexibility and the robust design allows for installation in the most severe exposure locations. They are capable of handling the high-impulse, potentially damaging transients commonly found at the service entrance or distribution panels.



Applications


The SPD200K and SPD300K Series can be a facility-wide product family and may be installed from service entrances to distribution panels to branch panels.

- Industrial Plants
- Commercial Buildings
- Institutional Facilities
- Any facility that has an environment with electronics based equipment

Features

- Surge current capacity of 200 to 300 kA per phase
- Metal, UL Listed /NEMA type 1/12/3R/4 enclosure standard
- Rotary disconnect and transient counter
- All modes transient protection (L-N, L-G, and N-G)
- Form C dry contacts and audible alarm status indications
- Internal/external monitoring, including neutral to ground
- EMI/RFI Filtering
- Ten year limited warranty

Certifications and Compliances

-  Listed
 - UL 1449, Type 2 locations
 - UL rated 200 kA SCCR with component level fusing for safe operations
 - UL Listed/NEMA 4 enclosure standard
- ANSI/IEEE C62.11, C62.41, C62.45
 - Categories A, B, and C3 tested

Related Products

- Power Conditioners
- Uninterruptible Power System
- Transformers
- STV25K, SPD50K, STV100K, STFV and STC Series

For more information:
www.Emerson.com/SolaHD

SOLAHD™



SPD200K and SPD300K Series

Specifications

Catalog Number	Dimensions D x W x H mm (in.)	Suggested Breaker Size	Suggested Wire Size (AWG)	Weight lbs (kg)	Allowable Breaker Range	Allowable Wire Range
SPD200K	173.0 x 304.8 x 304.8 (6.8 x 12.0 x 12.0)	40 A	#8	23 (10.4)	30 - 60A	#8-#6
SPD300K	173.0 x 304.8 x 304.8 (6.8 x 12.0 x 12.0)	40 A	#8	25 (11.3)	30 - 60A	#8-#6

SPD200K Specifications

Catalog Number	SPD200K10YRC	SPD200K27YRC	SPD200K48DRC
Input Voltage	208Y/120 V	480Y/277 V	480D V
	3Ph Wye, 4 W + G	3Ph Wye, 4 W + G	3Ph Delta, 3 W + G and HRG Wye
Maximum Continuous Operating Voltage (MCOV)	125% of the nominal level for 120 V; 115% for all other voltages		
Line Frequency	47-63 Hz		
Response Time	< 0.5 nanoseconds		
Enclosure	Metal, UL Listed /NEMA type 1/12/3R/4 standard		
Mounting Type	Wall Mounted (mounting hardware ¼ in.)		
Connection	Internal Rotary Disconnect		
Status Indication	Red and green LED status indicators, audible alarm, summary alarm contacts, counter		
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)		
Operating Humidity	0% to 95% non-condensing		
Noise Attenuation	-50 dB from 10 kHz to 100 MHz		
Modes of Protection	All Modes: L-N, L-L, L-G, N-G Ⓣ		
SCCR Rating	200 kAIC		
Nominal Discharge Current Rating (In)	20 kA		
Warranty	10 year limited warranty		

SPD300K Specifications

Catalog Number	SPD300K10YRC	SPD300K24DRC	SPD300K27YRC	SPD300K48DRC	SPD300K34YRC
Input Voltage	120/208 V	240D V	480Y/277 V	480D V	600Y/347 V
	3Ph Wye, 4 W + G	3Ph Delta, 3 W + G and HRG Wye	3Ph Wye, 4 W + G	3Ph Delta, 3 W + G and HRG Wye	3Ph Wye, 4 W + G
Maximum Continuous Operating Voltage (MCOV)	125% of the nominal level for 120 V; 115% for all other voltages				
Line Frequency	47-63 Hz				
Response Time	< 0.5 nanoseconds				
Enclosure	Metal, UL Listed /NEMA type 1/12/3R/4 standard				
Mounting Type	Wall Mounted (mounting hardware ¼ in.)				
Connection	Internal Rotary Disconnect				
Status Indication	Red and green LED status indicators, audible alarm, summary alarm contacts, counter				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Operating Humidity	0% to 95% non-condensing				
Noise Attenuation	-50 dB from 10 kHz to 100 MHz				
Modes of Protection	All Modes: L-N, L-L, L-G, N-G Ⓣ				
SCCR Rating	200 kAIC				
Nominal Discharge Current Rating (In)	20 kA				
Warranty	10 year limited warranty				

ⓉDelta Model does not offer L-N or N-G mode of protection.

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