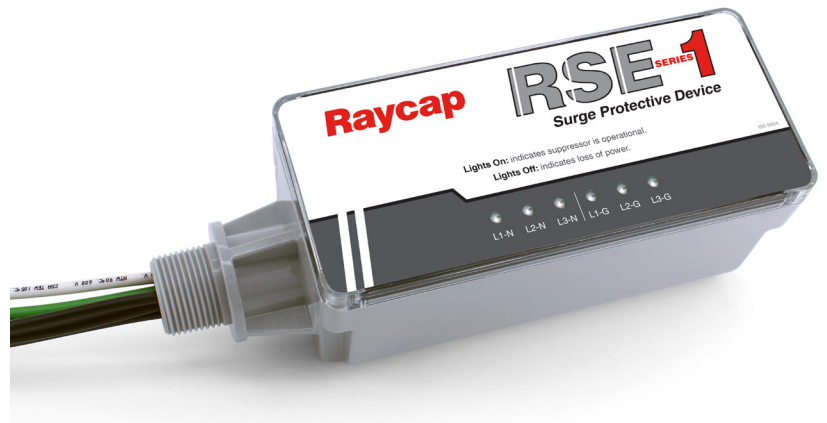


Surge Protective Device RSE Series 1

Features

- 25kA – 50kA per mode
- UL 1449 Listed
- Stacked MOV Design
- Low Voltage Protection Ratings
- 20kA I-nominal Ratings
- 200kA SCCRs
- 10 Year Standard Warranty



Product Specifications

General Specifications

Maximum Surge Current Rating Range	25kA - 50kA Per Mode
UL Type Designation	Type 1 and 2
UL 1449 I-nominal Rating	20kA
UL 1449 Short Circuit Current Rating	200kA
Repetitive Impulse	10,000 hits per mode
Response Time	<1 ns

Design Specifications

Stacked MOV design for High Energy Handling in Category C locations
Distribution Grade 34mm Thermally Protected MOVs
External Parallel Connected for Mounting next to Electrical Gear
All Modes of Protection (L-N, L-G, N-G, L-L)

Diagnostic Monitoring Specifications

2 Green LEDs per phase (Standard)
Phase Loss Monitoring (Standard)
Audible Alarm
Form C Dry Contact, 240V, 5A

Physical Specifications

Humidity Range	0-95% non-condensing
Operating Frequency	0-600Hz
Operating Temperature	-25°C to +85°C
Typical Connection	#12 AWG (pre-wired) 30 A breaker

UL 1449 Performance Data

System Voltage	L-N	L-G	N-G	L-L	SCCR	MCOV
240/120V Split Ø	700	700	700	1200	200kA	150
240/480V Split	1200	1200	1200	2500	200kA	275
208Y/120V	600	600	600	1000	200kA	150
480Y/277V	1200	1200	1200	2000	200kA	320
600Y/347V	1500	1500	1500	2500	200kA	420
240V Hi-Leg Delta	700	900	700	1200	200kA	150/350
480V Hi-Leg Delta	1200	1800	1200	3000	200kA	320/550
240V 3Ø Delta	-	900	-	900	200kA	275
480V 3Ø Delta	-	1800	-	1800	200kA	550
600V 3Ø Delta	-	2000	-	2000	200kA	690
120V Single 1Ø	700	700	700	-	200kA	150
240V Single 1Ø	1200	1200	1200	-	200kA	275
277V Single 1Ø	1200	1200	1200	-	200kA	320
347V Single 1Ø	1500	1500	1500	-	200kA	420
480V Single 1Ø	1800	1800	1800	-	200kA	550

Standards Compliance & Certifications

UL 1449 5th Edition: 2021, cULus, (UL File: VZCA.E316468, UL 96A Compliant, ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, NEC Article 285
ISO 9001:2014 Quality Management System, ISO 17025:2007 Laboratory Certification (UL DAP Program)
100% Quality Tested prior to shipping, Made in the USA

Surge Protective Device RSE Series 1

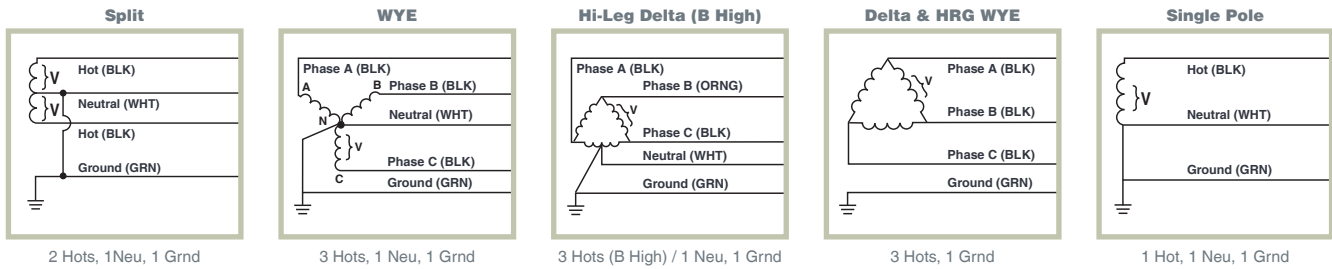
Model Number Configuration

RSE-1-120-1P-A-02-P-A

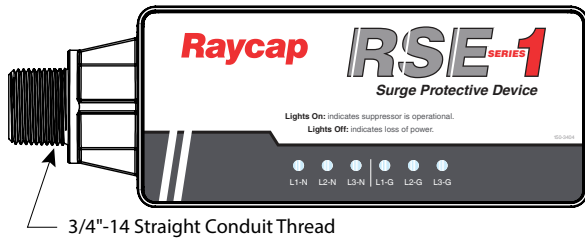
Series	Voltage	Electrical System	Mode	kA per Mode	Enclosure	Options*
RSE-1	120	1P = Single Phase	A = All mode	02 = 25kA	P = Polycarbonate	A = Audible Alarm & Dry Contacts
	240	2S = Split Phase		05 = 50kA		
	277	3Y = 3 Phase WYE				
	347	3D = 3 Phase Delta				
	480	3H = 3 Phase Hi-Leg				
	600					

*Flush-Mount (Part #325-0525) and Bracket-Mount (Part #325-0526) options are sold as separate accessories.

Wiring Configurations



Product Diagram



Size and Mechanical Specifications

Dimensions	7.95" x 3.06" x 2.75"
Weight	1.38 lbs
Enclosure Type	Polycarbonate NEMA 4X
Installation Type	Indoor / Outdoor
Mounting Method	Flush / Flange / Through-hole

