

**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads  
RSCAC-1333-P-240-D**

The RSCAC-1333 series is an AC Disconnect, Load Center and Surge Protection Device that is Suitable for Use as Service Equipment (SUSE).

It is designed to provide robust overvoltage surge protection for the AC power circuits for today's small cell radio systems. It employs patented Strikesorb® 30-A-2CHV modules capable of withstanding direct surge currents up to 5kA (10/350µs) and induced surge currents up to 60kA (8/20µs).

The RSCAC-1333 series provides dual (Line 1 to Neutral) (Line 2 to Neutral) protection for up to twelve AC circuits.

powered by

**Strikesorb®**

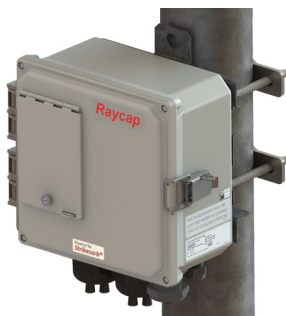
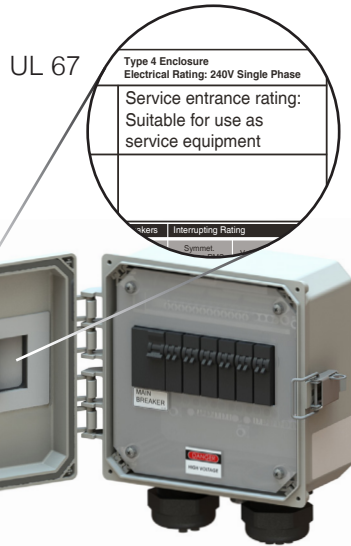


**Features**

- 60A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC
- 22kA Fault Current Rating (kAIC)
- Ships with six tandem pre-installed load breakers providing (12) 120VAC circuits which can be bridged to provide 240V
- 120/240VAC split phase configuration
- Employs the Strikesorb 30-A-2CHV Surge Protective Device (SPD)
  - The Strikesorb 30-A-2CHV is a Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
  - Strikesorb 30-A-2CHV is able to withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
- Provides low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Strikesorb offers unique protection levels for wireless and small cell applications
- Comes with two compression fittings that can be replaced with 1.5" NPT conduit fittings
- Provides (Line 1 to Neutral, Line 2 to Neutral) protection for 120/240VAC split phase systems
- Compatible with duplex/double pole breakers
- Patent pending design
- Pole mount bracket facilitates mounting up to 4" diameter pole using existing clamps. Can also be banded to any diameter pole. Center mount holes (5/8") for center pole mount

**Benefits**

- Offers unique maintenance free protection
- NEMA 4X or IP 68 & NEMA 6/6P rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation
- Up to twelve circuits for individual power control and over current protection of up to twelve small cell radio heads



Bracket Included

**Raycap**

[www.raycap.com](http://www.raycap.com)

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**SPECIFICATIONS**

**AC Disconnect with Integrated Surge Protection  
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**RSCAC-1333-P-240-D**

**Electrical**

|   |                              |
|---|------------------------------|
| Model Number  | RSCAC-1333-P-240-D           |
| Main Disconnect   | 60A main breaker             |
| Number of Circuits  | Available up to 12           |
| Breakers  | Includes 6 tandem            |
| Breaker Interrupt Rating (KAIC)                                 | 22kA                         |
| Means of External Disconnect                                    | Hinged Cover                 |
| Surge Protection Device (SPD) Type to UL                        | Strikesorb 30-A-2CHV         |
| Surge Protective Device (SPD) Type per UL 1449 4th Ed.          | Recognized UL SPD            |
| Surge Protection Device (SPD) Class to IEC 61643-11             | Class I                      |
| Nominal Operating Voltage [U <sub>n</sub> ]                     | 120V / 240V split phase      |
| Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 4th Ed. | 20 kA 8/20 μs                |
| Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11  | 60 kA 8/20 μs                |
| Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11  | 5 kA 10/350 μs               |
| Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)   | 150V per line                |
| Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11     | 700V                         |
| Suppression Technology  | MOV                          |
| Protection Modes  | L1 to Neutral, L2 to Neutral |

**Mechanical**

|  |  |
|--|--|
| Connection (Power)                           | Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )<br>Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> )<br>Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> ) |
| Environmental Ingress Protection (IP) Rating | NEMA 4X  |
| Operation Temperature (°C)                   | -40° C to +80° C   |
| Storage Temperature (°C)                     | -70° C to +80° C   |
| Enclosure Type (Outdoor)                     | Polycarbonate UL 94V-0 Rated   |
| Enclosure Dimension (L x W x H)              | 10.43" x 9.38" x 5.06"   |
| Enclosure                                    | Hinged with Clasp  |
| Weight                                       | 8 lbs [3.62kg]   |

**Standards Compliance & Certifications**

|  |   |
|--|---|
| <i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>                                    |   |
| UL 1449 4th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1 |   |
| Certification  | UL, VDE, CE                                   |
| Panel Board Certification  | UL 67 (suitable for use as service equipment) |