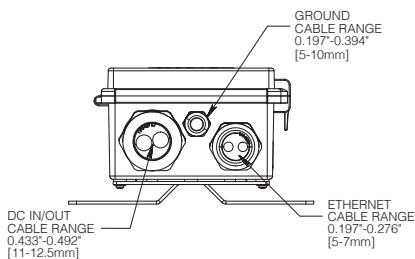
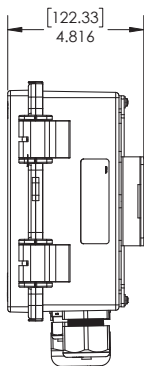
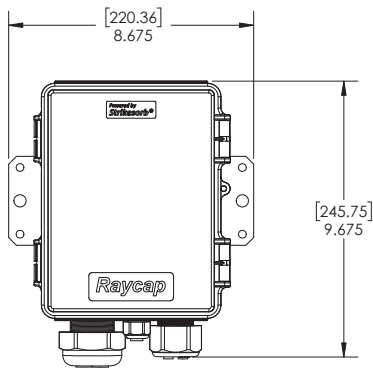


DC and 10/100 Ethernet Surge Protection Solutions for Small Cell Radio Heads
SC2DC-7009-2-PE-48

The deployment of Small Cell architecture poses unique challenges to the mobile industry. Raycap's innovative Small Cell protection solution for DC and Ethernet mitigate the risk of damage due to lightning and provide high levels of availability and reliability to radio equipment.

powered by
Strikesorb®

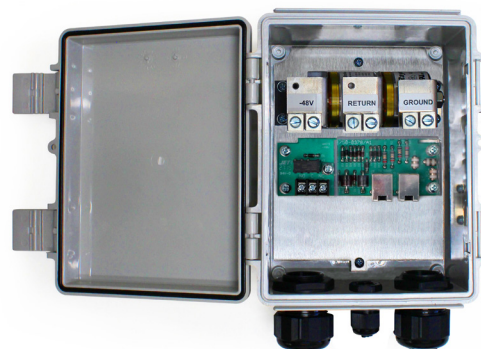


Features

- The SC2 Product Series utilizes the patented Strikesorb® Surge Protective Device (SPD), specifically designed for the outdoor Small Cell and Remote Radio Head (RRH) installation environment and certified for use in DC operating applications
- This Strikesorb is a Class I SPD, certified by VDE per the IEC 61643-11 Safety Standard as suitable for installation in areas where direct lightning exposure is expected. Strikesorb is able to withstand induced surge currents of up to 60kA (8/20µs)
- Provides very low clamping/let-through voltage, as it does not employ spark gaps or other switching elements
- Strikesorb offers unique protection levels to the Small Cell RRH equipment, as well as the baseband units
- Strikesorb is Fully Recognized to UL 1449 4th Edition Safety Standard
- Patent pending design

Benefits

- Offers unique maintenance-free protection against direct lightning currents
- Protects Small Cell Remote Radio Heads
- Utilizes an ingress protection rated, IP67 enclosure, allowing for indoor or outdoor installation
- Lightweight design allows for easy installation



SPECIFICATIONS

DC and 10/100 Ethernet Surge Protection Solutions for Small Cell Radio Heads SC2DC-7009-2-PE-48

Strikesorb®

Electrical		SC2DC-7009-2-PE-48
Surge Protective Device (SPD) Class to IEC 61643-11		Class I
Nominal Operating Voltage [U _n]		60V
Nominal Discharge Current [I _n]		20 kA 8/20 μs
Impulse Discharge Current [I _{imp}] 5kA (10/350ns) according to IEC 61645-11		60 kA 10/350 μs
Maximum Continuous Operating Voltage [U _c] (MCOV)		75V
Voltage Protection Rating (VPR) per UL 1449 4 th Edition		400V
Strikesorb Module Type		30-V1-HV
Ethernet		
Accumulative Surge Current Capacity [I _{max}]		<3 kA 8/20 μs
Suppression Technology		SAD + GDT
Connection Type		10/100 Base-T
Pins Protected		1&2, 3&6
Connection Method		8-pin RJ45 Shielded Modular Jack
Mechanical Specifications		
DC Connection Terminal (Suppression) Method	Compression lug	
DC Connection Terminal (Suppression) Hardwired	Copper: #14 to #2 AWG [2.5 to 35 mm ²]	
Environmental Ingress Protection (IP) Rating	IP 67	
Operating Temperature	-40° C to +80° C	
UV Resistant	Yes	
Enclosure Dimension (L x W x H)	6.55" x 7.41" x 3.59" [166.35 x 188.19 x 91.14 mm]	
Weight	System: 2.5 lbs [1.13 kg]	
Standards Compliance & Certifications		
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>		
Standards	UL 1449 4 th Ed: 2011, IEC 61643-11: 2011, EN 61643-11:2012, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS1	
Certifications	UL, VDE, CE	
Associations	ANSI, EN, IEC, IEEE, NEC, NEMA	

SAD=Silicon Avalanche Diode
GDT=Gas Discharge Tube
AWG=American Wire Gauge

Raycap

www.raycap.com

