

**AC Service Disconnect with Integrated Surge Protection for Micro Small Cell Radio Heads**

**RSCAC-9457-HP-120-D • RSCAC-9457-HP-120-ID**

**Strikesorb®**

The RSCAC-9457-HP-120-D is an AC Disconnect with integrated surge protection. It is designed to provide robust overvoltage surge protection for the AC power circuits for today's third and fourth generation distributed architecture radio systems. It employs patented Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60kA (8/20µs). The RSCAC-9457-HP-120-D provides dual (line to neutral) (neutral to ground) protection for four complete 120V AC circuits protecting four small cell radios.



RSCAC-9457-HP-120-D

RSCAC-9457-HP-120-ID

Suitable for use as service equipment when a main breaker is used and when not more than six main disconnecting means are provided.

**Features**

- 2 models: 60A External Disconnect / 60A Disconnect with internal switch
- (4) breakers total: (2) 16A breakers and (2) 10A din rail mounted branch breakers to supply 4-Micro Small Cell Radios
- Employs the Strikesorb 30-A Surge Protective Device (SPD)
  - The Strikesorb 30-A is a Class II 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 is able to withstand 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 1.25" NPT conduit fittings
- 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
- Patent pending design

**Benefits**

- Offers unique maintenance free protection
- Protects up to 4-Micro small cell radio heads
- Utilizes a IP68/NEMA 6/6P rated enclosure, allowing for indoor or outdoor installation
- Lightweight design allows easy installation
- Four Din Rail breakers for individual power control and over current protection of 4-Micro small cell radio heads

**Basic Applications**

- Telecommunications



## SPECIFICATIONS

# AC Service Disconnect with Integrated Surge Protection for Micro Small Cell Radio Heads

## RSCAC-9457-HP-120-D • RSCAC-9457-HP-120-ID

### Strikesorb®

#### Electrical

Model Number	RSCAC-9457-HP-120-D	RSCAC-9457-HP-120-ID
Breakers	(4)breakers total: (2)16A and (2)10A breakers	(4)breakers total: (2)16A and (2)10A breakers
Disconnect Type	Main Switch (must be installed behind main breaker)	Main Switch (must be installed behind main breaker)
Service Disconnect Switch	60A (external)	60A (internal)
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A	Strikesorb 30-A
Number of Circuits Protected	4	4
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2 component assembly	Type 2 component assembly
Surge Protection Device (SPD) Class to IEC 61643-11	Class II	Class II
Nominal Operating Voltage [U <sub>n</sub> ]	120V	120V
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 4th Edition	20kA 8/20µs	20kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60kA 8/20µs	60kA 8/20µs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V	150V
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V
Voltage Protection Rating (VPR)	20kA 8/20µs	20kA 8/20µs
Suppression Technology	MOV	MOV
Protection Modes (Dual Mode)	Line to neutral, neutral to ground	Line to neutral, neutral to ground
Maximum Fault Current	10kA	10kA

#### Mechanical

Connection Terminal (Power)	Compression Lug #6 - #14 AWG (13 - 2mm <sup>2</sup> ) Terminal Block #10-#26 AWG (6 - 0.14mm <sup>2</sup> )	
Environmental Ingress Protection (IP) Rating	NEMA 4X	IP68 & NEMA 6/6P (When lid screws are installed)
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)	8.58" x 6.94" x 10.42" [218 x 176 x 265 mm]	8.58" x 5.06" x 10.42" [218 x 129 x 265 mm]
Weight	7.00 lbs [3.17kg]	6.85 lbs [3.10kg]

#### Standards Compliance & Certifications

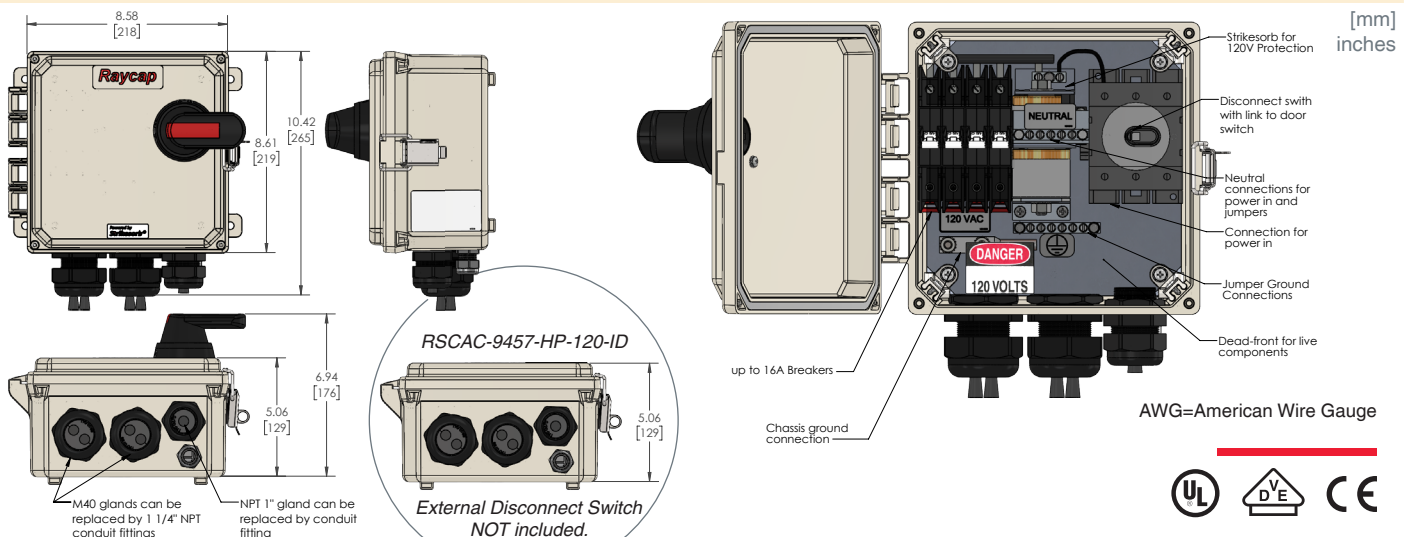
Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:

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

#### Product Diagram



# Raycap

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

## AC Service Disconnect with Integrated Surge Protection RSCAC-9457-HP-120-NH • RSCAC-6533-P-120-NH

The RSCAC-9457-HP-120-NH and RSCAC-6533-P-120-NH are AC disconnect models with integrated surge protection. Designed to provide robust overvoltage surge protection for the AC power circuits used for both Micro and Pico radios. It employs patented Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60kA (8/20µs). The RSCAC-9457-HP-120-NH and RSCAC-6533-P-120-NH provide dual (line to neutral) (neutral to ground) protection for four complete 120V AC circuits protecting four small cell radios.

Suitable for use as service equipment when a main breaker is used and when not more than six main disconnecting means are provided.

### Strikesorb®



RSCAC-9457-HP-120-NH

RSCAC-6533-P-120-NH

### Features

- 2 models: 60A Internal Disconnect / 30A Internal Disconnect
- (4) breakers total: (2) 16A breakers and (2) 10A din rail mounted branch breakers to supply 4-Micro Small Cell Radios for the 60A disconnect and (4) 7AMP for the 30A version.
- Employs the Strikesorb 30-A Surge Protective Device (SPD)
  - The Strikesorb 30-A is a Class II 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 is able to withstand 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 1.25" NPT conduit fittings
- 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
- Patent pending design

### Benefits

- Offers unique maintenance free protection
- Protects up to 4-Micro small cell radio heads
- Utilizes a IP68/NEMA 6/6P rated enclosure, allowing for indoor or outdoor installation
- Lightweight design allows easy installation
- Four Din Rail breakers for individual power control and over current protection of 4-Micro small cell radio heads

### Basic Applications

- Telecommunications

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**SPECIFICATIONS**

**AC Service Disconnect with Integrated Surge Protection**  
**RSCAC-9457-HP-120-NH • RSCAC-6533-P-120-NH**

**Strikesorb®**

**Electrical**

Model Number	RSCAC-9457-HP-120-NH	RSCAC-6533-P-120-NH
Breakers	(4)breakers total: (2)16A and (2)10A breakers	(4)7A breakers
Disconnect Type	Main Switch (must be installed behind main breaker)	Main Switch (must be installed behind main breaker)
Service Disconnect Switch	60A (internal)	30A (internal)
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A	Strikesorb 30-A
Number of Circuits Protected	4	4
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2 component assembly	Type 2 component assembly
Surge Protection Device (SPD) Class to IEC 61643-11	Class II	Class II
Nominal Operating Voltage [U <sub>n</sub> ]	120V	120V
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 4th Edition	20kA 8/20µs	20kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60kA 8/20µs	60kA 8/20µs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V	150V
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V
Voltage Protection Rating (VPR)	20kA 8/20µs	20kA 8/20µs
Suppression Technology	MOV	MOV
Protection Modes (Dual Mode)	Line to neutral, neutral to ground	Line to neutral, neutral to ground
Maximum Fault Current	10kA	10kA

**Mechanical**

Connection Terminal (Power)	Compression Lug #6 - #14 AWG (13 - 2mm <sup>2</sup> ) Terminal Block #10-#26 AWG (6 - 0.14mm <sup>2</sup> )	
Environmental Ingress Protection (IP) Rating	IP68 & NEMA 6/6P (When lid screws are installed)	IP68 & NEMA 6/6P (When lid screws are installed)
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)	8.58" x 5.06" x 10.42" [218 x 129 x 265 mm]	8.58" x 5.06" x 10.42" [218 x 129 x 265 mm]
Weight	6.7 lbs [3.04kg]	6.7 lbs [3.04kg]

**Standards Compliance & Certifications**

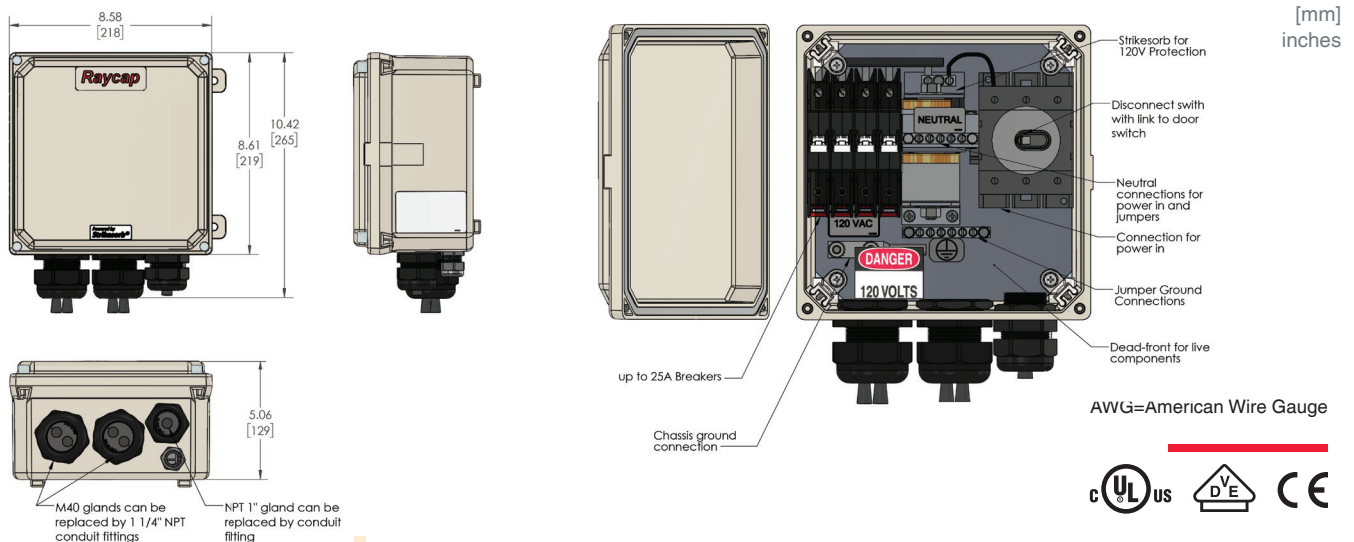
Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:

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

**Product Diagram**



www.raycap.com

**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads  
RSCAC-7944-P-120-D**

The RSCAC-7944-P-120-D is an AC Disconnect with integrated surge protection. It is designed to provide robust overvoltage surge protection for the AC power circuits for today's third and fourth generation distributed architecture radio systems. It employs patented Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60kA (8/20µs). The RSCAC-7944-P-120-D provides dual (Line 1 to Neutral) (Line 2 to Neutral) protection for nine AC circuits.

Suitable for use as service equipment when a main breaker is used and when not more than six main disconnecting means are provided.



RSCAC-7944-P-120-D with dead-front in place



RSCAC-7944-P-120-D with dead-front removed

**Strikesorb®**



**Features**

- 100A External Disconnect
- Nine 7A single pole din rail mounted branch breakers
- 120/240VAC split phase configuration
- Suitable for service when a main breaker is used and when not used as a lighting and appliance panelboard
- Employs the Strikesorb 30-A Surge Protective Device (SPD)
- The Strikesorb 30-A 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 is able to withstand 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 1.25" NPT conduit fittings
- Provides (Line 1 to Neutral, Line 2 to Neutral) protection for 120/240VAC split phase systems
- Compatible with double pole breakers
- Patent pending design
- Unistrut or wall mounting holes

**Benefits**

- Offers unique maintenance free protection
- Protects up to nine small cell radio heads
- Utilizes a NEMA 4 rated enclosure, allowing for indoor or outdoor installation
- Lightweight design allows easy installation
- Nine Din Rail breakers for individual power control and over current protection of nine small cell radio heads

**Basic Applications**

- Telecommunications

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**SPECIFICATIONS**

**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads**

**Strikesorb®**

**RSCAC-7944-P-120-D**

**Electrical**

Model Number	RSCAC-7944-P-120-D
Breakers	(9) 7 amp single pole
Disconnect Type	Main Switch (must be installed behind main breaker)
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A
Number of Circuit Breaker Positions	9
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2 component assembly
Surge Protection Device (SPD) Class to IEC 61643-11	Class I
Nominal Operating Voltage [U <sub>n</sub> ]	120V / 240V
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 4th Edition	20kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5kA 10/350µs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V
Voltage Protection Rating (VPR)	20kA 8/20µs
Suppression Technology	MOV
Protection Modes	Line 1 to Neutral, Line 2 to Neutral
Maximum Fault Current	10kA

**Mechanical**

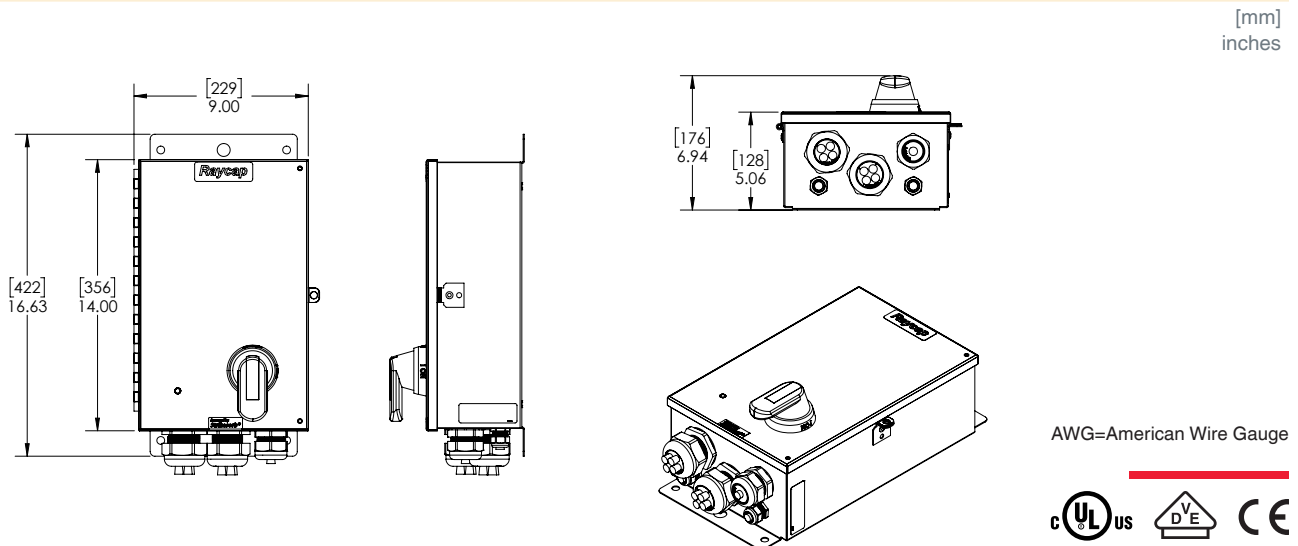
Connection Terminal (Power)	Compression Lug #6 - #14 AWG (13 - 2mm <sup>2</sup> ) Terminal Block #10-#26 AWG (6 - 0.14mm <sup>2</sup> )
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-70° C to +80° C
Enclosure Type (Outdoor)	Powder Coated Steel, NEMA 4
Enclosure Dimension (L x W x H)	16.63" x 9.00" x 6.94" [422 x 229 x 176 mm]
Weight	16.60 lbs [7.52 kg]

**Standards Compliance & Certifications**

*Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:*  
 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

**Product Diagram**



**Raycap**

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

**AC Service Disconnect with Integrated Surge Protection for Pico Small Cell Radio Heads**

**RSCAC-6533-P-120-D • RSCAC-6533-P-120-ID**

**Strikesorb®**

The RSCAC-6533 series is an AC Disconnect load center and integrated surge protection. It is designed to provide robust overvoltage surge protection for the AC power circuits for today's third and fourth generation distributed architecture radio systems. It employs patented Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60kA (8/20µs). The RSCAC-6533-P-120-D provides dual (line to neutral) (neutral to ground) protection for four complete 120V AC circuits protecting four small cell radios.

Suitable for use as service equipment when a main breaker is used and when not more than six main disconnecting means are provided.



RSCAC-6533-P-120-D

RSCAC-6533-P-120-ID

**Features**

- 2 models: 30A External Disconnect / 30A Disconnect with internal switch
- Four 7amp din rail mounted branch breakers to supply 4-Pico Small Cell Radios
- Employs the Strikesorb 30-A Surge Protective Device (SPD)
  - The Strikesorb 30-A is a Class II 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 is able to withstand 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 1.25" NPT conduit fittings and one compression fitting that can be replaced with 1" conduit fitting
- 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
- Patent pending design

**Benefits**

- Offers unique maintenance free protection
- Protects up to 4-Pico small cell radio heads
- Utilizes a IP68/NEMA 6/6P rated enclosure, allowing for indoor or outdoor installation
- Lightweight design allows easy installation
- Four Din Rail breakers for individual power control and over current protection of 4-Pico small cell radio heads

**Basic Applications**

- Telecommunications



**SPECIFICATIONS**

**AC Service Disconnect with Integrated Surge Protection for Pico Small Cell Radio Heads**

**Strikesorb®**

**RSCAC-6533-P-120-D • RSCAC-6533-P-120-ID**

**Electrical**

Model Number	RSCAC-6533-P-120-D	RSCAC-6533-P-120-ID
Breakers	(4) 7 amp	(4) 7 amp
Disconnect Type	Main Switch (must be installed behind main breaker)	Main Switch (must be installed behind main breaker)
Service Disconnect Switch	30A (external)	30A (internal)
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A	Strikesorb 30-A
Number of Circuits Protected	4	4
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2 component assembly	Type 2 component assembly
Surge Protection Device (SPD) Class to IEC 61643-11	Class II	Class II
Nominal Operating Voltage [U <sub>n</sub> ]	120V	120V
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 4th Edition	20kA 8/20 μs	20kA 8/20 μs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60kA 8/20 μs	60kA 8/20 μs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V	150V
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V
Voltage Protection Rating (VPR)	20kA 8/20 μs	20kA 8/20 μs
Suppression Technology	MOV	MOV
Protection Modes (Dual Mode)	Line to neutral, neutral to ground	Line to neutral, neutral to ground
Maximum Fault Current	10 kA	10 kA

**Mechanical**

Connection Terminal (Power)	Compression Lug #6 - #14 AWG (13 - 2mm <sup>2</sup> ) Terminal Block #10-#26 AWG (6 - 0.14mm <sup>2</sup> )	
Environmental Ingress Protection (IP) Rating	NEMA 4X	IP68 & NEMA 6/6P (When lid screws are installed)
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)	8.58" x 6.94" x 10.42" [218 x 176 x 265 mm]	8.58" x 5.06" x 10.42" [218 x 129 x 265 mm]
Weight	7.00 lbs [3.17kg]	6.85 lbs [3.10kg]

**Standards Compliance & Certifications**

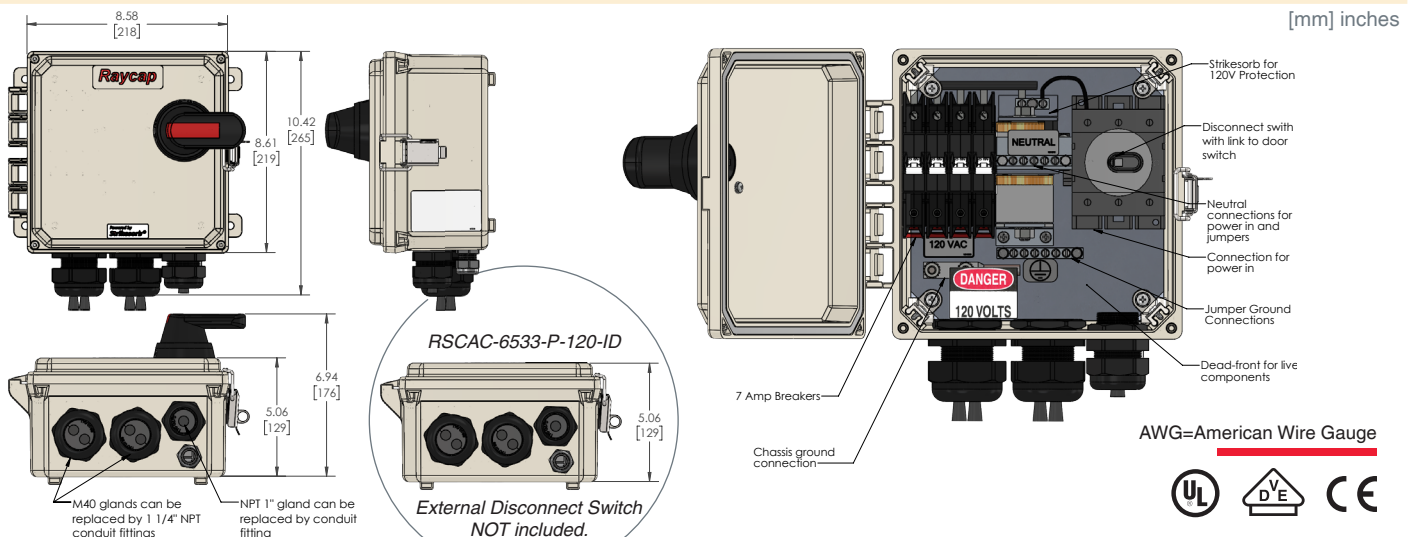
Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:

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

**Product Diagram**



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