DATA SHEET

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

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

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 Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60 kA (8/20 µs). 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.

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-D


RSCAC-9457-HP-120-ID

### 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

### 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


G02-01-328 200214

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**SPECIFICATIONS**

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

**Strikesorb®**

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

### 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 5th 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 [$U_n$] | 120V | 120V |
| Nominal Discharge Current [$I_n$] per UL 1449 5th Edition | 20kA 8/20µs | 20kA 8/20µs |
| Maximum Discharge Current [$I_{max}$] per IEC 61643-11 | 60kA 8/20µs | 60kA 8/20µs |
| Maximum Continuous Operating Voltage [$U_c$] (MCOV) | 150V | 150V |
| Voltage Protection Level [$U_p$] 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 - 2mm²)<br>Terminal Block #10-#26 AWG (6 - 0.14mm²) | |
| Environmental Ingress Protection (IP) Rating | NEMA 4X | IP68 & NEMA 6/6P<br>(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×W×H) | 8.58" x 6.94" x 10.42"<br>[218 × 176 × 265 mm] | 8.58" x 5.06" x 10.42"<br>[218 × 129 × 265 mm] |
| Weight | 7.00 lbs [3.17kg] | 6.85 lbs [3.10kg] |

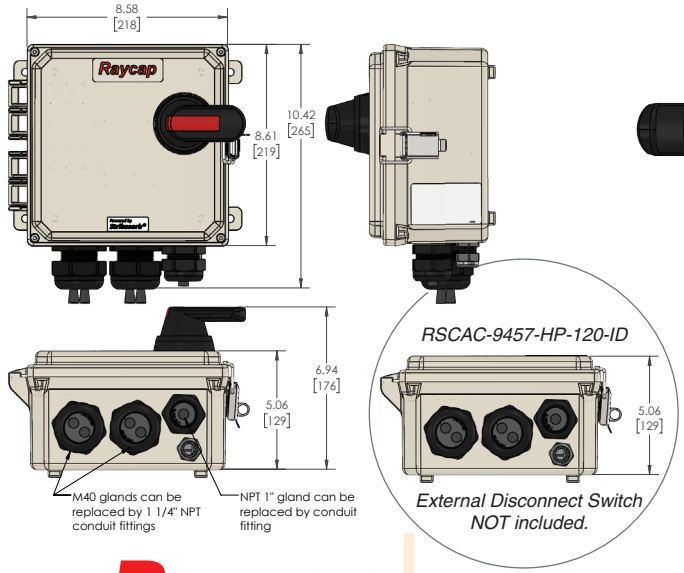
### Standards Compliance & Certifications

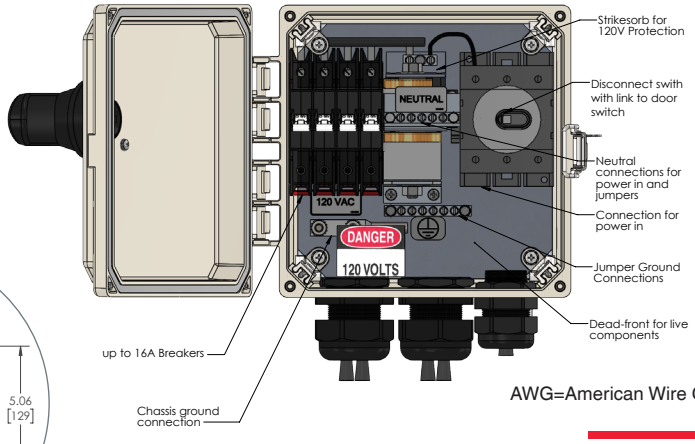
*Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:*
UL 1449 5th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1

| | |
|---|---|
| Certification | UL, VDE, CE |
| Panel Board Certification | UL 67 |

### Product Diagram

[mm]
inches




AWG=American Wire Gauge

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**DATA SHEET**

# 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 Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60 kA (8/20 µs). 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

### 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 5th 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 [$U_n$] | 120V | 120V |
| Nominal Discharge Current [$I_n$] per UL 1449 5th Edition | 20kA 8/20µs | 20kA 8/20µs |
| Maximum Discharge Current [$I_{max}$] per IEC 61643-11 | 60kA 8/20µs | 60kA 8/20µs |
| Maximum Continuous Operating Voltage [$U_c$] (MCOV) | 150V | 150V |
| Voltage Protection Level [$U_p$] 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 - 2mm²)<br>Terminal Block #10-#26 AWG (6 - 0.14mm²) | |
| Environmental Ingress Protection (IP) Rating | IP68 & NEMA 6/6P<br>(When lid screws are installed) | IP68 & NEMA 6/6P<br>(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×W×H) | 8.58" x 5.06" x 10.42"<br>[218 × 129 × 265 mm] | 8.58" x 5.06" x 10.42"<br>[218 × 129 × 265 mm] |
| Weight | 6.7 lbs [3.04kg] | 6.7 lbs [3.04kg] |

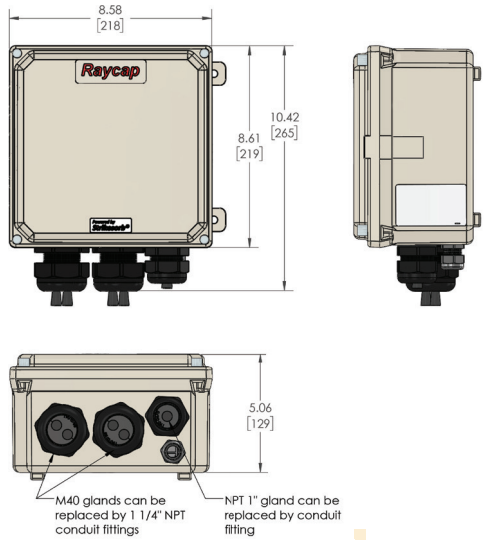
### Standards Compliance & Certifications

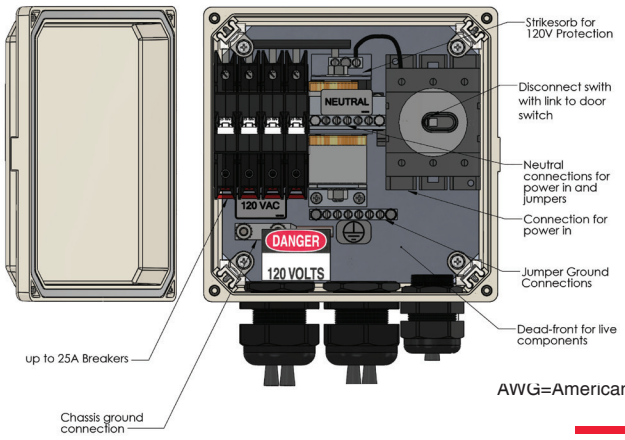
*Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:*
UL 1449 5th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1

| | |
|---|---|
| Certification | UL, VDE, CE |
| Panel Board Certification | UL 67 |

### Product Diagram

[mm]
inches




AWG=American Wire Gauge

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DATA SHEET

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

## RSCAC-7944-P-120-D

Strikesorb®


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 Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60 kA (8/20 µs). 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*

### 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
- 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 5th Edition | Type 2 component assembly |
| Surge Protection Device (SPD) Class to IEC 61643-11 | Class I |
| Nominal Operating Voltage [$U_n$] | 120V / 240V |
| Nominal Discharge Current [$I_n$] per UL 1449 5th Edition | 20kA 8/20µs |
| Maximum Discharge Current [$I_{max}$] per IEC 61643-11 | 60kA 8/20µs |
| Impulse Discharge Current [$I_{imp}$] per IEC 61643-11 | 5kA 10/350µs |
| Maximum Continuous Operating Voltage [$U_c$] (MCOV) | 150V |
| Voltage Protection Level [$U_p$] 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 - 2mm²)<br>Terminal Block #10-#26 AWG (6 - 0.14mm²) |
| 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×W×H) | 16.63" x 9.00" x 6.94"<br>[422 × 229 × 176 mm] |
| Weight | 16.60 lbs [7.52 kg] |

### Standards Compliance & Certifications

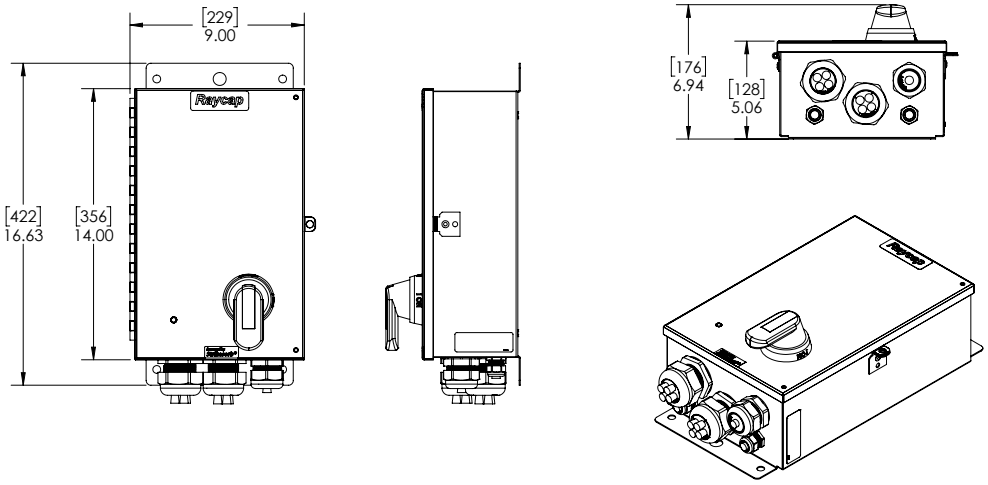
*Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:*

UL 1449 5th 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

[mm]
inches




AWG=American Wire Gauge

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DATA SHEET

# 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 Strikesorb® 30-A modules capable of withstanding induced surge currents of up to 60 kA (8/20 µs). 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

### 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


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**SPECIFICATIONS**

**Strikesorb®**

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

## 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 5th 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 [$U_n$] | 120V | 120V |
| Nominal Discharge Current [$I_n$] per UL 1449 5th Edition | 20kA 8/20µs | 20kA 8/20µs |
| Maximum Discharge Current [$I_{max}$] per IEC 61643-11 | 60kA 8/20µs | 60kA 8/20µs |
| Maximum Continuous Operating Voltage [$U_c$] (MCOV) | 150V | 150V |
| Voltage Protection Level [$U_p$] 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 | 10 kA | 10 kA |

### Mechanical

| | | |
|---|---|---|
| Connection Terminal (Power) | Compression Lug #6 - #14 AWG (13 - 2mm²)<br>Terminal Block #10-#26 AWG (6 - 0.14mm²) | |
| Environmental Ingress Protection (IP) Rating | NEMA 4X | IP68 & NEMA 6/6P<br>(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×W×H) | 8.58" x 6.94" x 10.42"<br>[218 × 176 × 265 mm] | 8.58" x 5.06" x 10.42"<br>[218 × 129 × 265 mm] |
| Weight | 7.00 lbs [3.17kg] | 6.85 lbs [3.10kg] |

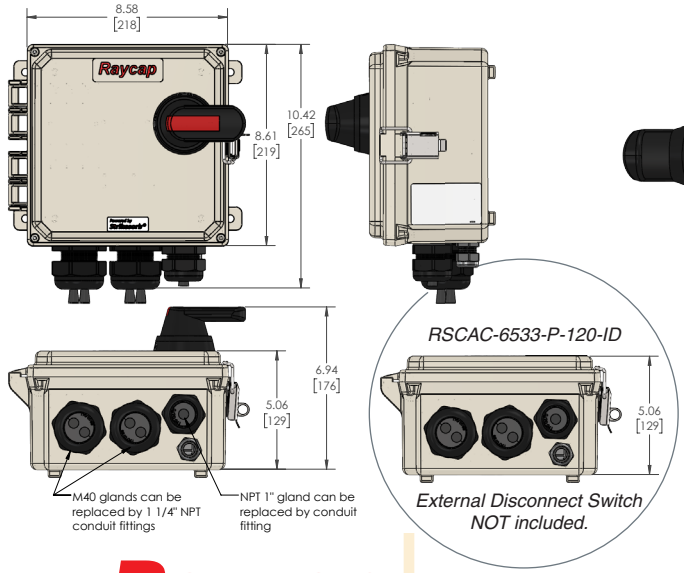
### Standards Compliance & Certifications

*Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:*
UL 1449 5th 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 |

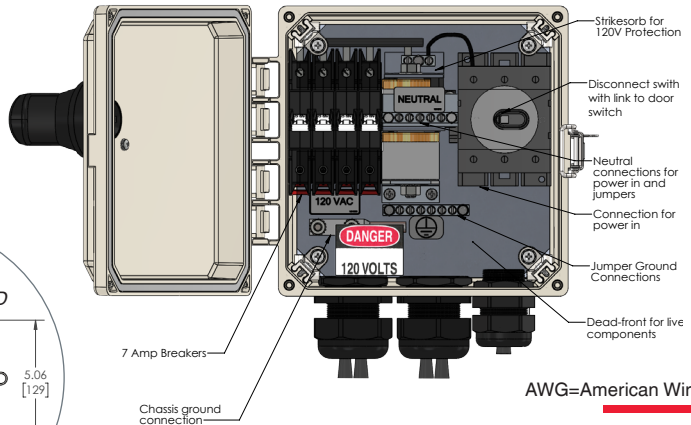
### Product Diagram

[mm] inches










AWG=American Wire Gauge

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