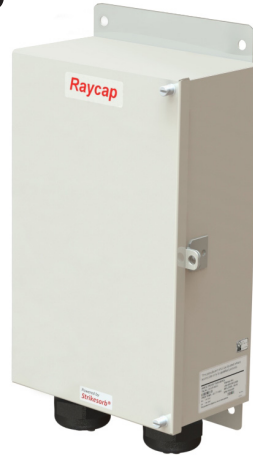


## AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

**RSCAC-7239-P-240 • RSCAC-7239-P-240-D • RSCAC-7239-P-240-D4**

The RSCAC-7239 series is an AC Disconnect 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 Strikesorb® 30-A-2CHV modules capable of withstanding direct surge currents up to 5kA (10/350  $\mu$ s) and induced surge currents up to 60kA (8/20  $\mu$ s). The RSCAC-7239 series provides dual (Line 1 to Neutral) (Line 2 to Neutral) protection for up to twelve AC circuits.

### Strikesorb®



RSCAC-7239-P-240



RSCAC-7239-P-240-D  
RSCAC-7239-P-240-D4

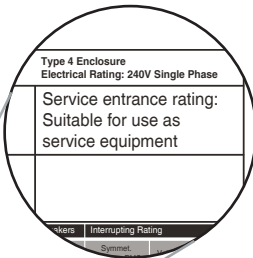
### Features

- 100A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC, 42kAIC rated
- Ships with six tandem pre-installed load breakers providing (12) 120VAC circuits which can be bridged to provide 240V
- 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 (10/350  $\mu$ s) 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
- 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

- NEMA 4 rated enclosure
- Up to twelve circuits for individual power control and over current protection of up to twelve small cell radio heads
- Offers unique maintenance free protection
- Lightweight design allows easy installation

UL 67



**SPECIFICATIONS**

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

**RSCAC-7239-P-240 • RSCAC-7239-P-240-D • RSCAC-7239-P-240-D4**

**Strikesorb®**

**Electrical**

	<b>RSCAC-7239-P-240</b>	<b>RSCAC-7239-P-240-D</b>	<b>RSCAC-7239-P-240-D4</b>
Model Number	RSCAC-7239-P-240	RSCAC-7239-P-240-D	RSCAC-7239-P-240-D4
Main Disconnect	100A main breaker	100A main breaker	100A main breaker
Number of Circuits	Available up to 12	Available up to 12	Available up to 12
Breakers	Includes (6) tandem breakers	Includes (6) tandem breakers	Includes (6) tandem breakers
Breaker Interrupt Rating (KAIC)	22kA	22kA	42kA
Mean of External Disconnect	Internal	Hinged Cover	Hinged Cover
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV
Surge Protective Device (SPD) Type per UL 1449 5th Edition	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11	Class I	Class I	Class I
Nominal Operating Voltage [U <sub>n</sub> ]	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 5th Edition	20kA 8/20µs	20kA 8/20µs	20kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60kA 8/20µs	60kA 8/20µs	60kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5kA 10/350µs	5kA 10/350µs	5kA 10/350µs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V per line	150V per line	150V per line
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V	700V
Suppression Technology	MOV	MOV	MOV
Protection Modes	Line 1 to Neutral, Line 2 to Neutral	Line 1 to Neutral, Line 2 to Neutral	Line 1 to Neutral, Line 2 to Neutral

**Mechanical**

Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <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)	17.220" x 9.565" x 5.529"
Weight	16.90 lbs [7.66 kg]

**Standards Compliance & Certifications**

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

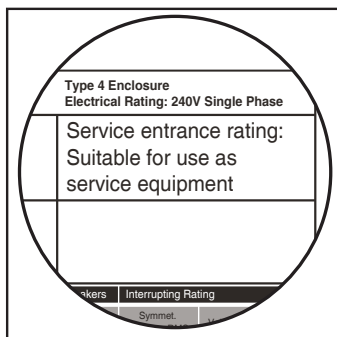
UL 1449 5th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1

Certification	UL, VDE, CE
Panel Board Certification	UL 67

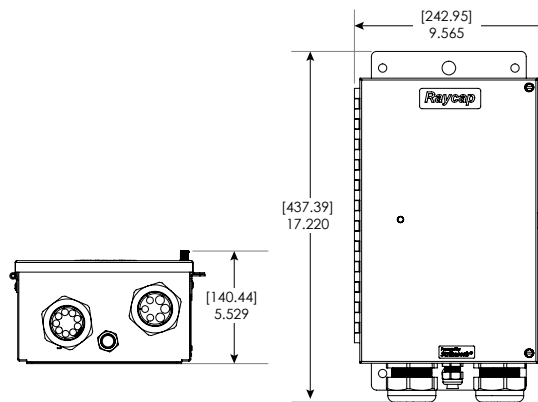
**Additional Tandem Breakers Available**

- Circuit Breaker 1P 15A/15A Tandem QO
- Circuit Breaker 1P 20A/20A Tandem QO
- Circuit Breaker 1P 30A/30A Tandem QO

**Product Diagram**



Mounting Bracket included



RSCAC-7239-P-240  
RSCAC-7239-P-240-D  
RSCAC-7239-P-240-D4  
\*Hinged cover not shown



AWG=American Wire Gauge

**Raycap**

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## DATA SHEET

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

**RSCAC-9556-P-240 • RSCAC-9556-P-240-D  
RSCAC-9556-P-240-DL • RSCAC-9556-PH-240**

## Strikesorb®

The RSCAC-9556 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 Strikesorb® 30-A-2CHV modules capable of withstanding direct surge currents up to 5kA (10/350  $\mu$ s) and induced surge currents up to 60kA (8/20  $\mu$ s). The RSCAC-9556 series provides dual (Line 1 to Neutral) (Line 2 to Neutral) protection for twelve AC circuits.



RSCAC-9556-P-240

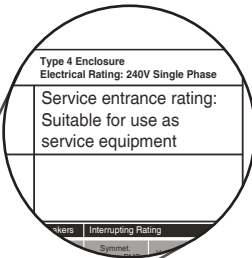
RSCAC-9556-P-240-D  
RSCAC-9556-P-240-DL

RSCAC-9556-PH-240

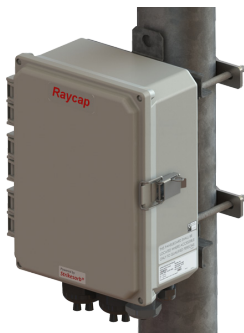
## Features

- 100A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC
- 22kA Fault Current Rating ( $K_{AIC}$ )
- 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 (10/350  $\mu$ s) 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
- 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

UL 67



RSCAC-9556-P-240-D



Bracket Included

## 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

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G02-01-806 240515

# Raycap

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## SPECIFICATIONS

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

## Strikesorb®

**RSCAC-9556-P-240 • RSCAC-9556-P-240-D**  
**RSCAC-9556-P-240-DL • RSCAC-9556-PH-240**

### Electrical

Model Number	RSCAC-9556-P-240	RSCAC-9556-P-240-D/DL	RSCAC-9556-PH-240
Main Disconnect	100A main breaker	100A main breaker	100A main breaker
Number of Circuits	Available up to 12	Available up to 12 (-D) 11x for customer use, 1x LED (-DL)	Available up to 12
Breakers	Includes 6 tandem	Includes 6 tandem	Includes 6 tandem
Breaker Interrupt Rating (KAIC)	22kA	22kA	22kA
Means of External Disconnect	Internal	Hinged Cover (-D) with power on indication (-DL)	Internal
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV
Surge Protective Device (SPD) Type per UL 1449 5th Ed.	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11	Class I	Class I	Class I
Nominal Operating Voltage [U <sub>n</sub> ]	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 5th Ed.	20 kA 8/20 μs	20 kA 8/20 μs	20 kA 8/20 μs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 8/20 μs	60 kA 8/20 μs	60 kA 8/20 μs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5 kA 10/350 μs	5 kA 10/350 μs	5 kA 10/350 μs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V per line	150V per line	150V per line
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V	700V
Suppression Technology	MOV	MOV	MOV
Protection Modes	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral

### Mechanical

Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )		
Environmental Ingress Protection (IP) Rating	NEMA 4X	NEMA 4X	IP68 & NEMA 6/6P
Operation Temperature (°C)	-40° C to +80° C	-40° C to +80° C	-40° C to +80° C
Storage Temperature (°C)	-70° C to +80° C	-70° C to +80° C	-70° C to +80° C
Enclosure Type (Outdoor) / Rating	Polycarbonate UL 94V-0	Polycarbonate UL 94V-0	Polycarbonate UL 94V-0
Enclosure Dimension (L x W x H)	12.39" x 9.38" x 5.65"	12.39" x 8.59" x 5.65"	12.39" x 8.59" x 5.65"
Enclosure	Hinged with Clasp	Hinged with Clasp	Hingeless with thumb screw
Weight	8 lbs [3.62kg]	8 lbs [3.62kg]	8 lbs [3.62kg]

### 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 (suitable for use as service equipment)

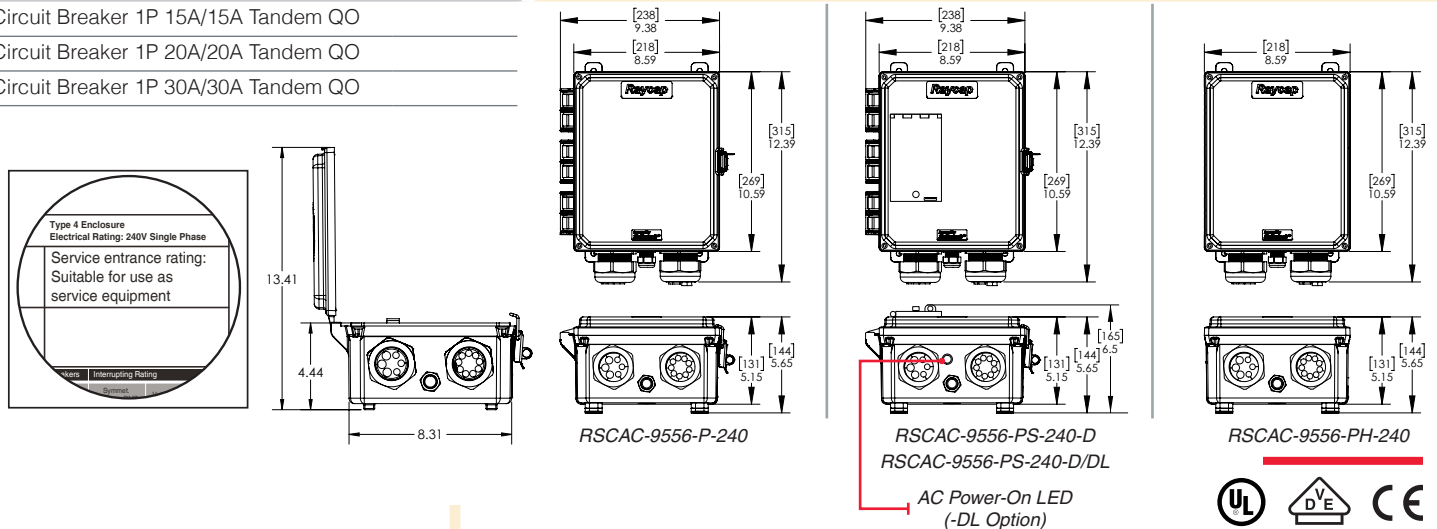
### Additional Tandem Breakers Available

Circuit Breaker 1P 15A/15A Tandem QO

Circuit Breaker 1P 20A/20A Tandem QO

Circuit Breaker 1P 30A/30A Tandem QO

### Product Diagram



# Raycap

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AWG=American Wire Gauge

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

**RSCAC-9550-P-240 • RSCAC-9550-PS-240-D • RSCAC-9550-PH-240**

The RSCAC-9550 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 Strikesorb® 30-A-2CHV modules capable of withstanding direct surge currents up to 5kA (10/350 μs) and induced surge currents up to 60kA (8/20 μs). The RSCAC-9550 series provides dual (Line 1 to Neutral)(Line 2 to Neutral) protection for twelve AC circuits.

## Strikesorb®



RSCAC-9550-P-240

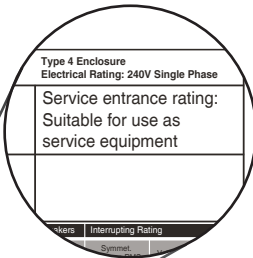


RSCAC-9550-PS-240-D

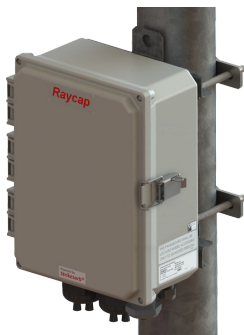


RSCAC-9550-PH-240

UL 67



RSCAC-9550-P-240-D



Bracket Included

### Features

- 60A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC
- 22kA Fault Current Rating (K<sub>AIC</sub>)
- 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 (10/350 μs) 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
- 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

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 G02-01-775 240515

**SPECIFICATIONS**

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

**RSCAC-9550-P-240 • RSCAC-9550-PS-240-D • RSCAC-9550-PH-240**

**Strikesorb®**

**Electrical**

Model Number	RSCAC-9550-P-240	RSCAC-9550-PS-240-D	RSCAC-9550-PH-240
Main Disconnect	60A main breaker	60A main breaker	60A main breaker
Number of Circuits	Available up to 12	Available up to 12	Available up to 12
Breakers	Includes 6 tandem	Includes 6 tandem	Includes 6 tandem
Breaker Interrupt Rating (KAIC)	22kA	22kA	22kA
Means of External Disconnect	Internal	Hinged Cover	Internal
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV
Surge Protective Device (SPD) Type per UL 1449 5th Ed.	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11	Class I	Class I	Class I
Nominal Operating Voltage [U <sub>n</sub> ]	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 5th Ed.	20kA 8/20 μs	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	60kA 8/20 μs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5kA 10/350 μs	5kA 10/350 μs	5kA 10/350 μs
Maximum Continuous Operating Voltage [U <sub>c</sub> ] (MCOV)	150V per line	150V per line	150V per line
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V	700V	700V
Suppression Technology	MOV	MOV	MOV
Protection Modes	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral

**Mechanical**

Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )		
Environmental Ingress Protection (IP) Rating	NEMA 4X	NEMA 4X	IP68 & NEMA 6/6P
Operation Temperature (°C)	-40° C to +80° C	-40° C to +80° C	-40° C to +80° C
Storage Temperature (°C)	-70° C to +80° C	-70° C to +80° C	-70° C to +80° C
Enclosure Type (Outdoor)	Polycarbonate UL 94V-0 Rated	Polycarbonate UL 94V-0 Rated	Polycarbonate UL 94V-0 Rated
Enclosure Dimension (L x W x H)	12.39" x 9.38" x 5.65"	12.39" x 8.59" x 5.65"	12.39" x 8.59" x 5.65"
Enclosure	Hinged with Clasp	Hinged with Clasp	Hingeless with thumb screw
Weight	8 lbs [3.62kg]	8 lbs [3.62kg]	8 lbs [3.62kg]

**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 (suitable for use as service equipment)

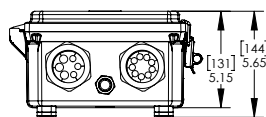
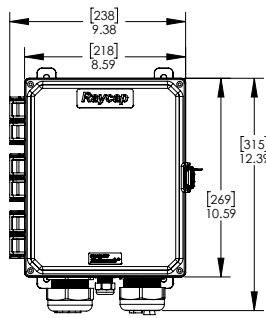
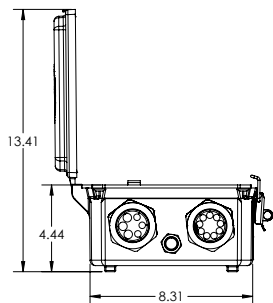
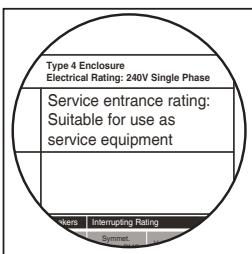
**Additional Tandem Breakers Available**

Circuit Breaker 1P 15A/15A Tandem QO

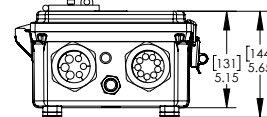
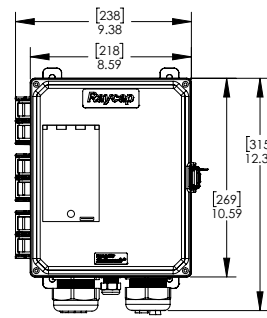
Circuit Breaker 1P 20A/20A Tandem QO

Circuit Breaker 1P 30A/30A Tandem QO

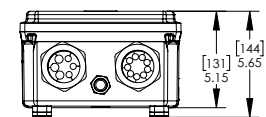
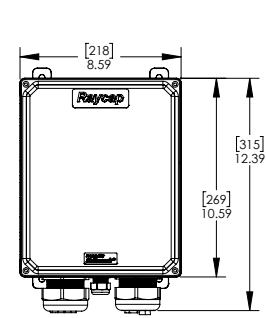
**Product Diagram**



RSCAC-9550-P-240



RSCAC-9550-PS-240-D



RSCAC-9550-PH-240



www.raycap.com



AWG=American Wire Gauge

**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads  
RSCAC1333-P-240-DL**

**Strikesorb**

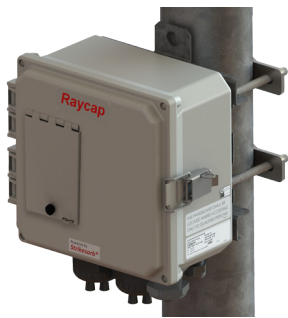
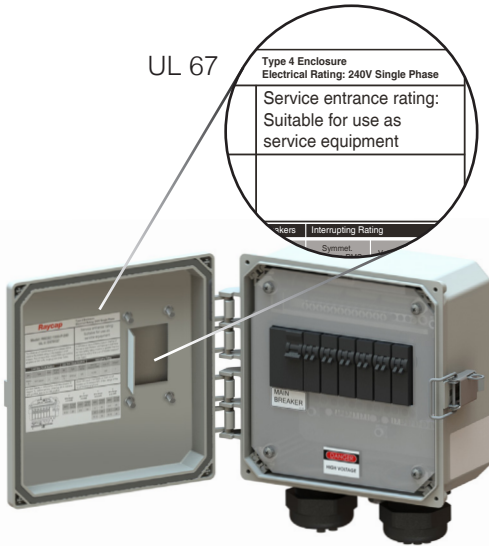
The RSCAC1333-P-240-DL is an AC Disconnect, Load Center and Surge Protection Device that is Suitable for Use as Service Equipment (SUSE).

It is designed to provide robust overvoltage surge protection for the AC power circuits for today's small cell radio systems. It employs 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 RSCAC1333-P-240-DL provides dual (Line 1 to Neutral (Line 2 to Neutral) protection for up to twelve AC circuits.



**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
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- LED indicator for "Power On" status and the position of the Main Breaker Disconnect (Optional)
  - 1 breaker utilized for LED indicator
  - Maximum (11) 120VAC circuits, maximum (5) 240V feeds
- 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
- 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



Bracket Included

**Benefits**

- Offers unique maintenance free protection
- NEMA 4X or IP 66 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation
- Up to eleven circuits for individual power control and over current protection of up to eleven small cell radio heads

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G02-01-834 240515

**SPECIFICATIONS**

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

**RSCAC1333-P-240-DL**

**Strikesorb®**

**Electrical**

Model Number	RSCAC1333-P-240-DL
Service Disconnect	60A main breaker (with external disconnect & Power-ON LED Status Indicator)
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 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5 kA 10/350µs
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**

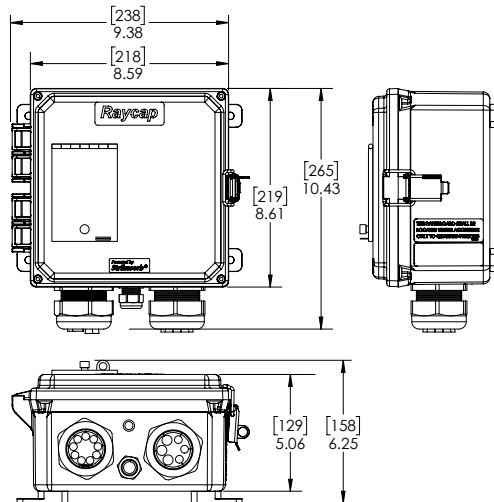
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Environmental Ingress Protection (IP) Rating	NEMA 4X or IP66
Operation Temperature (°C)	-40° C to +80° 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 6.25"
Enclosure	Hinged with Clasp
Weight	8 lbs [3.62kg]

**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 (suitable for use as service equipment)

**Product Diagram**



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

**Strikesorb®**

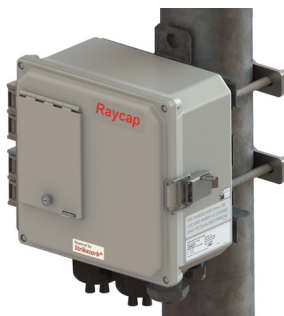
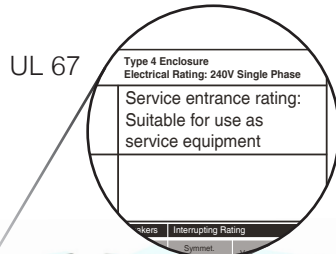
The RSCAC-1333 series is an AC Disconnect, Load Center and Surge Protection Device that is Suitable for Use as Service Equipment (SUSE).

It is designed to provide robust overvoltage surge protection for the AC power circuits for today's small cell radio systems. It employs 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.



**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
- 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



Bracket Included

**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

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**SPECIFICATIONS**

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

**RSCAC-1333-P-240-D**

**Strikesorb®**

**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 5th 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 5th 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> ) Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) 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 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 (suitable for use as service equipment)

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## DATA SHEET

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

**RSCAC-1333-P-240 • RSCAC-1333-P-240-4 • RSCAC-1333-P-240-D  
RSCAC-1333-PS-240 • RSCAC-1333-PH-240**

## Strikesorb®

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 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.



RSCAC-1333-P-240  
RSCAC-1333-P-240-4



RSCAC-1333-P-240-D



RSCAC-1333-PS-240



RSCAC-1333-PH-240

### Features

- 60A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC
- 22kA Fault Current Rating (kAIC) (optional 42kA fault current rating)
- 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
- 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

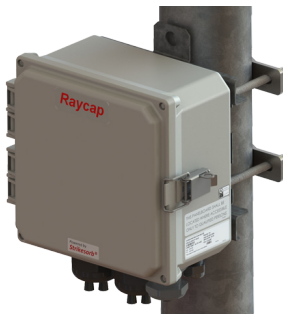
UL 67

Type 4 Enclosure  
Electrical Rating: 240V Single Phase

Service entrance rating:  
Suitable for use as  
service equipment



RSCAC-1333-P-240



Bracket Included

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**SPECIFICATIONS**
**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads**
**RSCAC-1333-P-240 • RSCAC-1333-P-240-4 • RSCAC-1333-P-240-D  
RSCAC-1333-PS-240 • RSCAC-1333-PH-240**
**Strikesorb®**
**Electrical**

Model Number	RSCAC-1333-P-240	RSCAC-1333-PS-240	RSCAC-1333-PH-240	RSCAC-1333-P-240-D	RSCAC-1333-P-240-4
Main Disconnect	60A main breaker	60A shunt trip main breaker	60A main breaker	60A main breaker	60A main breaker
Number of Circuits	Available up to 12	Available up to 10	Available up to 12	Available up to 12	Available up to 12
Breakers	Includes 6 tandem	Includes 5 tandem	Includes 6 tandem	Includes 6 tandem	Includes 6 tandem
Breaker Interrupt Rating (KAIC)	22kA	22kA	22kA	22kA	42kA
Means of External Disconnect	Internal	Shunt-Trip	Internal	Hinged Cover	Internal
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV	Strikesorb 30-A-2CHV
Surge Protective Device (SPD) Type per UL 1449 5th Ed.	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD	Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11	Class I	Class I	Class I	Class I	Class I
Nominal Operating Voltage [ $U_n$ ]	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase	120V / 240V split phase
Nominal Discharge Current [ $I_n$ ] per UL 1449 5th Ed.	20 kA 8/20 $\mu$ s	20 kA 8/20 $\mu$ s	20 kA 8/20 $\mu$ s	20 kA 8/20 $\mu$ s	20 kA 8/20 $\mu$ s
Maximum Discharge Current [ $I_{max}$ ] per IEC 61643-11	60 kA 8/20 $\mu$ s	60 kA 8/20 $\mu$ s	60 kA 8/20 $\mu$ s	60 kA 8/20 $\mu$ s	60 kA 8/20 $\mu$ s
Impulse Discharge Current [ $I_{imp}$ ] per IEC 61643-11	5 kA 10/350 $\mu$ s	5 kA 10/350 $\mu$ s	5 kA 10/350 $\mu$ s	5 kA 10/350 $\mu$ s	5 kA 10/350 $\mu$ s
Maximum Continuous Operating Voltage [ $U_c$ ] (MCOV)	150V per line	150V per line	150V per line	150V per line	150V per line
Voltage Protection Level [ $U_p$ ] per IEC 61643-11	700V	700V	700V	700V	700V
Suppression Technology	MOV	MOV	MOV	MOV	MOV
Protection Modes	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral	L1 to Neutral, L2 to Neutral

**Mechanical**

Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )    Branch Breaker #14 - #8 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )				
Environmental Ingress Protection (IP) Rating	NEMA 4X	NEMA 4X	IP68 & NEMA 6/6P		
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"	10.43" x 9.38" x 6.68"	10.43" x 8.59" x 5.06"		
Enclosure	Hinged with Clasp	Hinged with Clasp	Hingeless with thumb screw		
Weight	8 lbs [3.62kg]				

**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: 2005, 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)

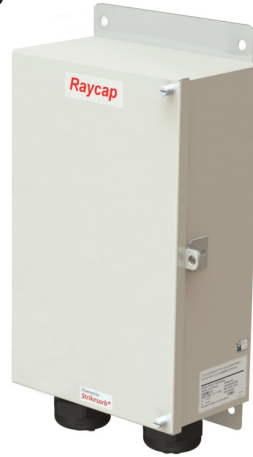

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**AC Disconnect with Integrated Surge Protection  
for Small Cell Radio Heads  
RSCAC-7038-P-240 • RSCAC-7038-P-240-D**

The RSCAC-7038 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 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-7038 series provides dual (Line 1 to Neutral) (Line 2 to Neutral) protection for up to eleven AC circuits.

**Strikesorb®**



RSCAC-7038-P-240



RSCAC-7038-P-240-D

**Features**

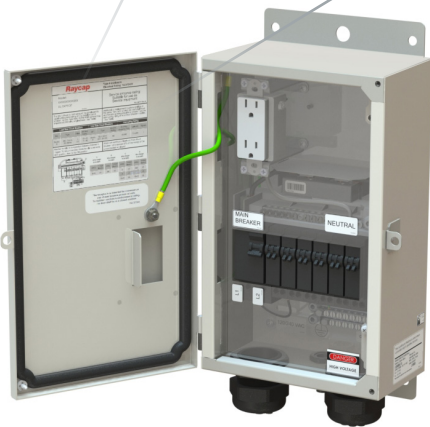
- 100A main breaker Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC
- Ships with six tandem pre-installed load breakers providing (12) 120VAC circuits which can be bridged to provide 240V
- 120VAC GFCI courtesy outlet
- Employs the Strikesorb 30-A-2CHV Surge Protective Device (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
- 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**

- NEMA 4 rated enclosure
- Up to eleven circuits for individual power control and over current protection of up to eleven small cell radio heads
- Offers unique maintenance free protection
- Lightweight design allows easy installation

UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Users	Interrupting Rating
Comment	



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## DATA SHEET

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

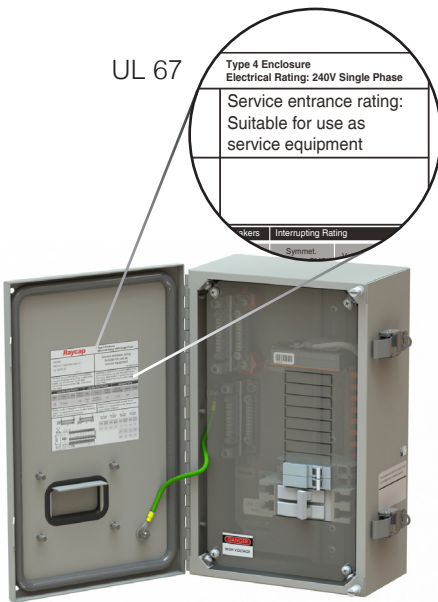
## Strikesorb®

The RSx-D series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 10 AC power circuits for today's small cell radio systems.

**RSx-DMN-X02MS-21NN** ] 60A Main Breaker  
**RSx-DMC-X02MS-21NN** ]

**RSx-DMN-Z02MS-21NN** ] 100A Main Breaker  
**RSx-DMC-Z02MS-21NN** ]

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



**RSD-DMC-Z02MS-21NN**

(Lt. Gray color, 2 Breakers, Strikesorb SPD, External Disconnect)

Mounting Bracket Included

### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to ten circuits for individual power control and over current protection
- Comes standard with 2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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**SPECIFICATIONS**



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

**RSx-DMN-X02MS-21NN**  
**RSx-DMC-X02MS-21NN** ] 60A Main Breaker

**RSx-DMN-Z02MS-21NN**  
**RSx-DMC-Z02MS-21NN** ] 100A Main Breaker

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-DMN-X02MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	60A main breaker
		<b>RSx-DMC-X02MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-DMN-Z02MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	100A main breaker
		<b>RSx-DMC-Z02MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )
		Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> )
		Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 13.87" x 6.05" [231 x 352 x 154 mm]
Weight (including 2 Breakers) lbs.		Unit: 14.1   Bracket: 2.2   System: 16.3

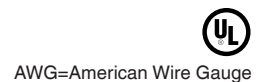
Surge Suppression Specifications	
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th Ed.	Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11	Class I
Nominal Operating Voltage [U <sub>n</sub> ]	120V / 240V split phase
Nominal Discharge Current [I <sub>n</sub> ] per UL 1449 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 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 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

Standards Compliance & Certifications	
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>	
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 Pending (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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## DATA SHEET

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

## Strikesorb®

The RSx-D series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 10 AC power circuits for today's small cell radio systems.

**RSx-DMN-X10MS-21NN** ] 60A Main Breaker  
**RSx-DMC-X10MS-21NN** ]  
**RSx-DMN-Z10MS-21NN** ] 100A Main Breaker  
**RSx-DMC-Z10MS-21NN** ]

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	



RSD-DMC-Z10MS-21NN

(Lt. Gray color, 10 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to ten circuits for individual power control and over current protection
- Comes standard with 10x 1-Pos, 5x 2-Pos or other combination of din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

# Raycap

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G02-01-730 240515

**SPECIFICATIONS**

**Strikesorb®**

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

**RSx-DMN-X10MS-21NN** ] 60A Main Breaker  
**RSx-DMC-X10MS-21NN** ]  
**RSx-DMN-Z10MS-21NN** ] 100A Main Breaker  
**RSx-DMC-Z10MS-21NN** ]

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-DMN-X10MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	60A main breaker
		<b>RSx-DMC-X10MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-DMN-Z10MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	100A main breaker
		<b>RSx-DMC-Z10MS-21NN</b>
	Number of Circuits	Available up to 10 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		10x 1-Pos, 5x 2-Pos or other combination (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )
		Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> )
		Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 13.87" x 6.05" [231 x 352 x 154 mm]
Weight (including 10 Breakers) lbs.		Unit: 15.9   Bracket: 2.2   System: 18.1
Surge Suppression Specifications		
Surge Protection Device (SPD) Type to UL		Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.		20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11		60 kA 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 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
Standards Compliance & Certifications		
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>		
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 Pending (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.

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AWG=American Wire Gauge

## DATA SHEET

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

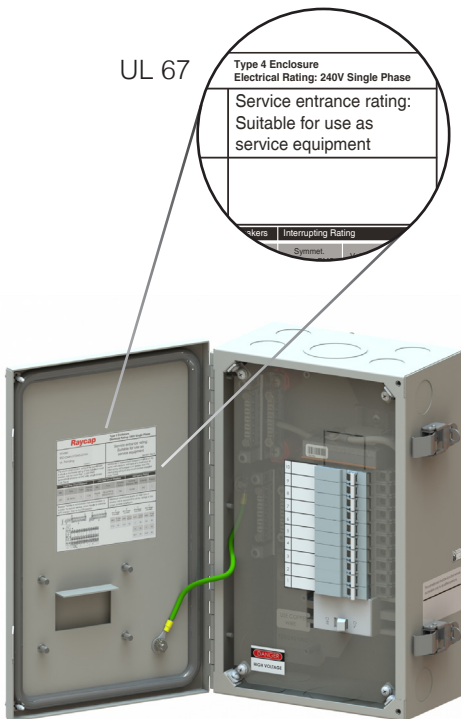
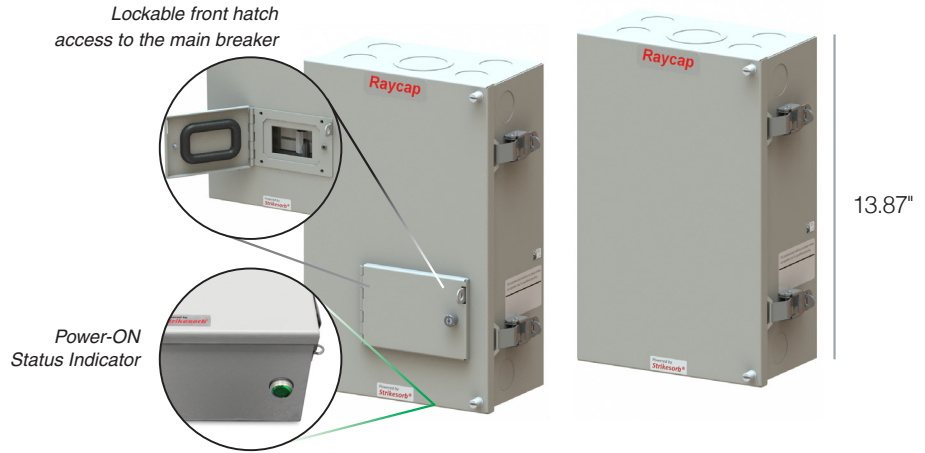
**RSx-DMN-X02MS-21NN • RSx-DML-X02MS-21NN ] 60A Main Breaker**

**RSx-DMN-Z02MS-21NN • RSx-DML-Z02MS-21NN ] 100A Main Breaker**

Use (x) character in model prefix to indicate enclosure color option

D: Light Gray G: Green B: Black N: Brown L: Blue

The RSx-D series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 10 AC power circuits for today's small cell radio systems.



*RSD-DMN-Z02MS-21NN  
(Lt. Gray color, 2 Breakers, Strikesorb SPD,  
External Disconnect)*

*Mounting Bracket Included*

## Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to ten circuits for individual power control and over current protection
- Comes standard with (2) din rail 13mm breakers providing (2) 120VAC circuits which can be bridged to provide (1) 240V feed
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Optional Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350 $\mu$ s) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

## Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

# Raycap

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G02-01-793 240515

**SPECIFICATIONS**

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

**Strikesorb®**

**RSx-DMN-X02MS-21NN • RSx-DML-X02MS-21NN ] 60A Main Breaker**  
**RSx-DMN-Z02MS-21NN • RSx-DML-Z02MS-21NN ] 100A Main Breaker**

**Product Information**

Model Number	<b>RSx-DMN-X02MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	60A main breaker
	<b>RSx-DML-X02MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	60A main breaker (with external disconnect)
	<b>RSx-DMN-Z02MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	100A main breaker
	<b>RSx-DML-Z02MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	100A main breaker (with external disconnect)
Breakers	13mm DIN Rail
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 13.87" x 6.05" [231 x 352 x 154 mm]
Weight (including 2 Breakers) lbs.	Unit: 17.8   Bracket: 2.7   System: 20.5

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	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 per line
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11	700V
Voltage Protection Rating (UL)	-
Suppression Technology	MOV
Protection Modes	L1 to Neutral, L2 to Neutral

**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 (suitable for use as service equipment)

*\*Additional breakers and sizes are available and sold separately.*

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## DATA SHEET

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

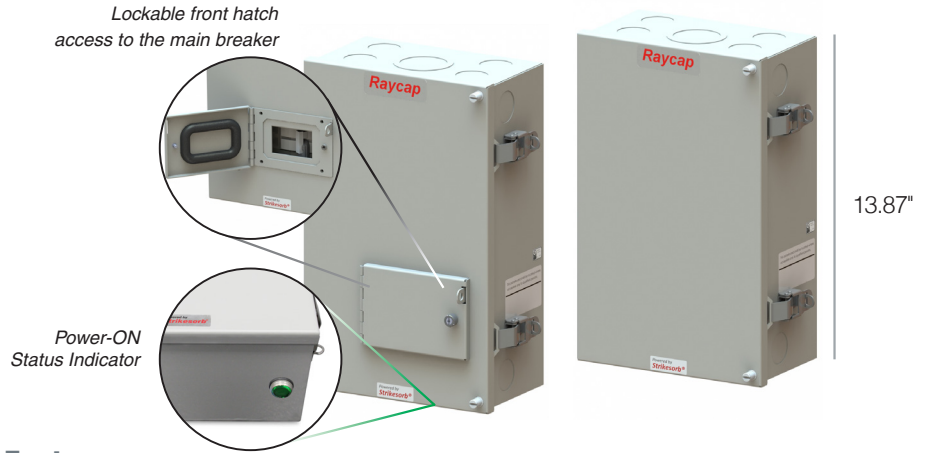
**RSx-DMN-X10MS-21NN • RSx-DML-X10MS-21NN ] 60A Main Breaker**

**RSx-DMN-Z10MS-21NN • RSx-DML-Z10MS-21NN ] 100A Main Breaker**

## Strikesorb®

The RSx-D series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 10 AC power circuits for today's small cell radio systems.

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to ten circuits for individual power control and over current protection
- Comes standard with (10) din rail 13mm breakers providing 120VAC circuits which can be bridged to provide (5) 240V feeds
- 120/240VAC split phase configuration
- Strikesorb 30-A-2CHV Surge Protective Device (SPD)
  - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
  - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
  - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- LED indicator for "Power On" status and the position of the Main Breaker Disconnect (Optional)
  - 1 breaker utilized for LED indicator when this option is chosen
  - Maximum (9) 120VAC circuits, maximum (4) 240V feeds) when this option is chosen
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

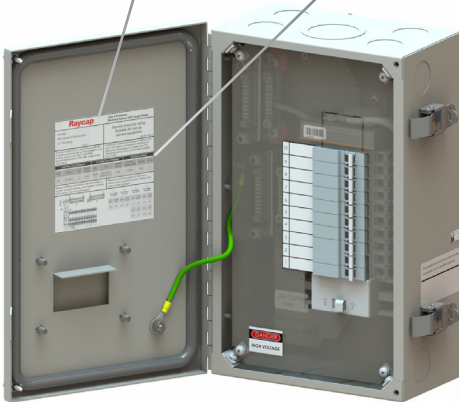
UL 67

Type 4 Enclosure  
Electrical Rating: 240V Single Phase

Service entrance rating:  
Suitable for use as  
service equipment

Interrupting Rating

Symmet.



**RSD-DML-Z16MS-21NN**  
(Lt. Gray color, 10 Breakers,  
Strikesorb SPD, External Disconnect &  
LED Power-ON Status Indicator)

Mounting Bracket Included

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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**SPECIFICATIONS**



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

**RSx-DMN-X10MS-21NN • RSx-DML-X10MS-21NN** ] 60A Main Breaker  
**RSx-DMN-Z10MS-21NN • RSx-DML-Z10MS-21NN** ] 100A Main Breaker

**Product Information**

Model Number	<b>RSx-DMN-X10MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	60A main breaker
	<b>RSx-DML-X10MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	60A main breaker (with external disconnect & LED)
	<b>RSx-DMN-Z10MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	100A main breaker
	<b>RSx-DML-Z10MS-21NN</b>
Number of Circuits	Available up to 10 circuits
Service Disconnect	100A main breaker (with external disconnect & LED)
Breakers	13mm DIN Rail
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #18 - #2 AWG (1.02 - 33.6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 13.87" x 6.05" [231 x 352 x 154 mm]
Weight (including 16 Breakers) lbs.	Unit: 20.9   Bracket: 2.7   System: 23.6

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5 kA 10/350µs
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

**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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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AWG=American Wire Gauge

## DATA SHEET

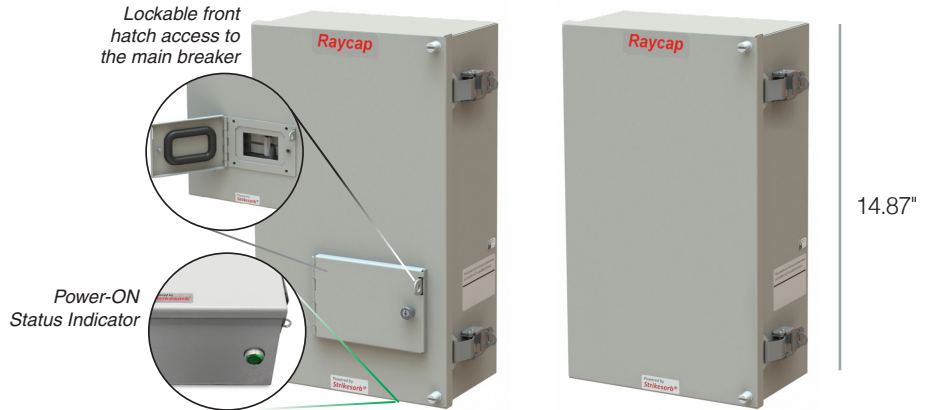
# AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

## Strikesorb®

The RSx-E series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 12 AC power circuits for today's small cell radio systems.

**RSx-EMN-X02MS-21NN • RSx-EML-X02MS-21NN** 60A Main Breaker  
**RSx-EMN-Z02MS-21NN • RSx-EML-Z02MS-21NN** 100A Main Breaker

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown



### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to twelve circuits for individual power control and over current protection
- Comes standard with (2) din rail 13mm breakers (2x20A) providing (2) 120VAC circuits which can be bridged to provide (1) 240V feed
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Optional Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350 $\mu$ s) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
  - Optional Raycap ProTec Din Rail Surge Protective Device (SPD)
    - Class II SPD, certified by VDE per the IEC 61643-11 standard
    - Withstand induced surge currents of up to 50kA (8/20)
    - High-Energy MOV and Thermal Protection
    - Visual status indication
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asymmet.



**RSD-EMC-Z02MS-21NN**  
(Lt. Gray color, 2 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

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**SPECIFICATIONS**

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

**Strikesorb®**

**RSx-EMN-X02MS-21NN • RSx-EML-X02MS-21NN** 60A Main Breaker  
**RSx-EMN-Z02MS-21NN • RSx-EML-Z02MS-21NN** 100A Main Breaker

**Product Information**

Model Number	<b>RSx-EMN-X02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker
	<b>RSx-EML-X02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker (with external disconnect & LED)
	<b>RSx-EMN-Z02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker
	<b>RSx-EML-Z02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker (with external disconnect & LED)
Breakers	13mm DIN Rail
Breakers Provided*	2x20A, 10x10A
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #18 - #2 AWG (1.02 - 33.6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 14.87" x 6.05" [231 x 377 x 154 mm]
Weight (including 16 Breakers) lbs.	Unit: 14.8   Bracket: 2.3   System: 17.1

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 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 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

**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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.

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## DATA SHEET

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

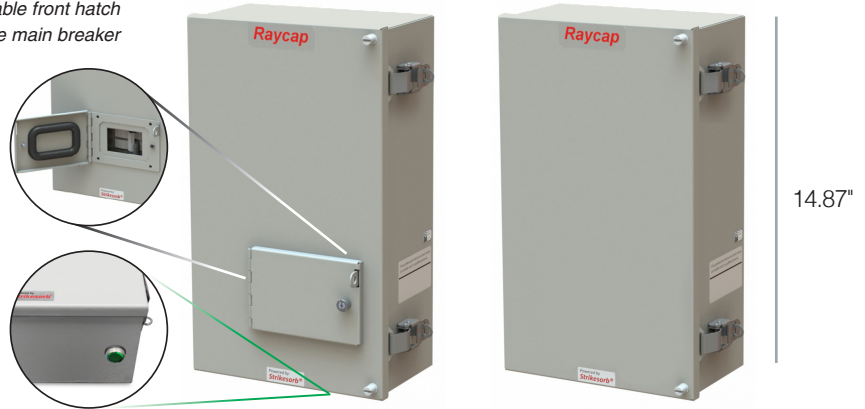
## Strikesorb®

The RSx-E series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 16 AC power circuits for today's small cell radio systems.

**RSx-EMN-X12MS-21NN • RSx-EML-X12MS-21NN** 60A Main Breaker  
**RSx-EMN-Z12MS-21NN • RSx-EML-Z12MS-21NN** 100A Main Breaker

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown

Lockable front hatch  
access to the main breaker



UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asym.



RSD-EMN-Z12MS-21NN  
(Lt. Gray color, 12 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to sixteen circuits for individual power control and over current protection
- Comes standard with (2) din rail 13mm breakers (2x20A) providing (2) 120VAC circuits which can be bridged to provide (1) 240V feed
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Optional Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
  - Optional Raycap ProTec Din Rail Surge Protective Device (SPD)
    - Class II SPD, certified by VDE per the IEC 61643-11 standard
    - Withstand induced surge currents of up to 50kA (8/20)
    - High-Energy MOV and Thermal Protection
    - Visual status indication
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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**SPECIFICATIONS**

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

**Strikesorb®**

**RSx-EMN-X12MS-21NN • RSx-EML-X12MS-21NN** 60A Main Breaker  
**RSx-EMN-Z12MS-21NN • RSx-EML-Z12MS-21NN** 100A Main Breaker

**Product Information**

Model Number	<b>RSx-EMN-X12MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker
	<b>RSx-EML-X12MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker (with external disconnect & LED)
	<b>RSx-EMN-Z12MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker
	<b>RSx-EML-Z12MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker (with external disconnect & LED)
Breakers	13mm DIN Rail
Breakers Provided*	2x20A, 10x10A
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #18 - #2 AWG (1.02 - 33.6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 14.87" x 6.05" [231 x 377 x 154 mm]
Weight (including 16 Breakers) lbs.	Unit: 17.0   Bracket: 2.3   System: 19.3

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 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 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

**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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.

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## DATA SHEET

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

**RSx-EMN-X12MS-21NN** ] 60A Main Breaker  
**RSx-EMC-X12MS-21NN** ]

**RSx-EMN-Z12MS-21NN** ] 100A Main Breaker  
**RSx-EMC-Z12MS-21NN** ]

## Strikesorb®

The RSx-E series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 12 AC power circuits for today's small cell radio systems.

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asym.



RSD-EMC-Z12MS-21NN

(Lt. Gray color, 12 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

## Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to twelve circuits for individual power control and over current protection
- Comes standard with 12x 1-Pos, 6x 2-Pos or other combination of din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

## Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

# Raycap

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G02-01-731 240515

**SPECIFICATIONS**



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

**RSx-EMN-X12MS-21NN** ] 60A Main Breaker  
**RSx-EMC-X12MS-21NN** ]  
**RSx-EMN-Z12MS-21NN** ] 100A Main Breaker  
**RSx-EMC-Z12MS-21NN** ]

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-EMN-X12MS-21NN</b> Available up to 12 circuits 60A main breaker
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker
		<b>RSx-EMC-X12MS-21NN</b> Available up to 12 circuits 60A main breaker (with external disconnect)
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-EMN-Z12MS-21NN</b> Available up to 12 circuits 100A main breaker
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	100A main breaker
		<b>RSx-EMC-Z12MS-21NN</b> Available up to 12 circuits 100A main breaker (with external disconnect)
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		12x 1-Pos, 6x 2-Pos or other combination (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 14.87" x 6.05" [231 x 377 x 154 mm]
Weight (including 12 Breakers) lbs.		Unit: 17.0   Bracket: 2.3   System: 19.3
Surge Suppression Specifications		
Surge Protection Device (SPD) Type to UL		Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.		20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11		60 kA 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 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
Standards Compliance & Certifications		
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>		
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 Pending (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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AWG=American Wire Gauge

## DATA SHEET

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

## Strikesorb®

The RSx-E series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 12 AC power circuits for today's small cell radio systems.

**RSx-EMN-X02MS-21NN**  
**RSx-EMC-X02MS-21NN** ] 60A Main Breaker  
**RSx-EMN-Z02MS-21NN**  
**RSx-EMC-Z02MS-21NN** ] 100A Main Breaker

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asymmet.



**RSD-EMC-Z02MS-21NN**  
(Lt. Gray color, 2 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to twelve circuits for individual power control and over current protection
- Comes standard with 2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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G02-01-740 240515

**SPECIFICATIONS**



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

**RSx-EMN-X02MS-21NN**  
**RSx-EMC-X02MS-21NN** ] 60A Main Breaker  
**RSx-EMN-Z02MS-21NN**  
**RSx-EMC-Z02MS-21NN** ] 100A Main Breaker

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-EMN-X02MS-21NN</b>
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker
		<b>RSx-EMC-X02MS-21NN</b>
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-EMN-Z02MS-21NN</b>
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	100A main breaker
		<b>RSx-EMC-Z02MS-21NN</b>
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 14.87" x 6.05" [231 x 377 x 154 mm]
Weight (including 2 Breakers) lbs.		Unit: 14.8   Bracket: 2.3   System: 17.1

Surge Suppression Specifications	
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 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 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

Standards Compliance & Certifications	
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>	
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 Pending (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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AWG=American Wire Gauge

## DATA SHEET

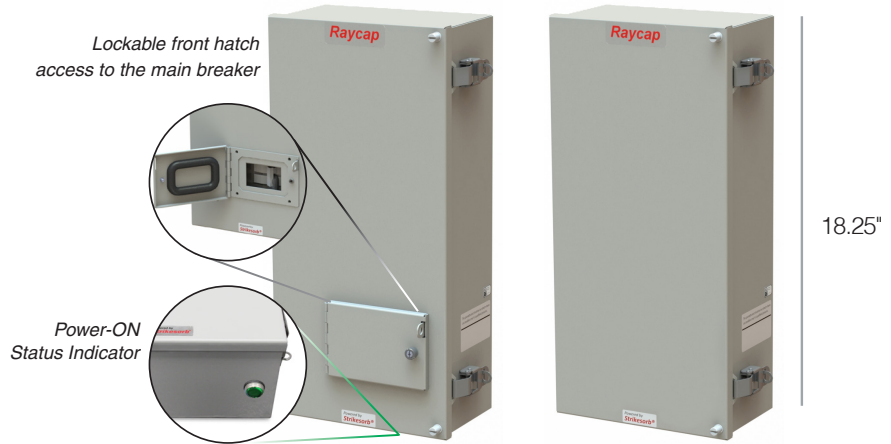
# AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

## Strikesorb®

The RSx-F series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 16 AC power circuits for today's small cell radio systems.

**RSx-FMN-X02MS-21NN • RSx-FML-X02MS-21NN** 60A Main Breaker  
**RSx-FMN-Z02MS-21NN • RSx-FML-Z02MS-21NN** 100A Main Breaker

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown



### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to sixteen circuits for individual power control and over current protection
- Comes standard with (2) din rail 13mm breakers (2x20A) providing (2) 120VAC circuits which can be bridged to provide (1) 240V feed
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Optional Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
  - Optional Raycap ProTec Din Rail Surge Protective Device (SPD)
    - Class II SPD, certified by VDE per the IEC 61643-11 standard
    - Withstand induced surge currents of up to 50kA (8/20)
    - High-Energy MOV and Thermal Protection
    - Visual status indication
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asym.



RSD-FMC-Z02MS-21NN  
(Lt. Gray color, 2 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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**SPECIFICATIONS**

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



**RSx-FMN-X16MS-21NN • RSx-FML-X16MS-21NN** ] 60A Main Breaker  
**RSx-FMN-Z16MS-21NN • RSx-FML-Z16MS-21NN** ] 100A Main Breaker

**Product Information**

Model Number	<b>RSx-FMN-X02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker
	<b>RSx-FML-X02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker (with external disconnect & LED)
	<b>RSx-FMN-Z02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker
	<b>RSx-FML-Z02MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker (with external disconnect & LED)
Breakers	13mm DIN Rail
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )
	Branch Breaker #18 - #2 AWG (1.02 - 33.6mm <sup>2</sup> )
	Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 18.25" x 6.05" [231 x 464 x 154 mm]
Weight (including 16 Breakers) lbs.	Unit: 20.9   Bracket: 2.7   System: 23.6

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5 kA 10/350µs
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

**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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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## DATA SHEET

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

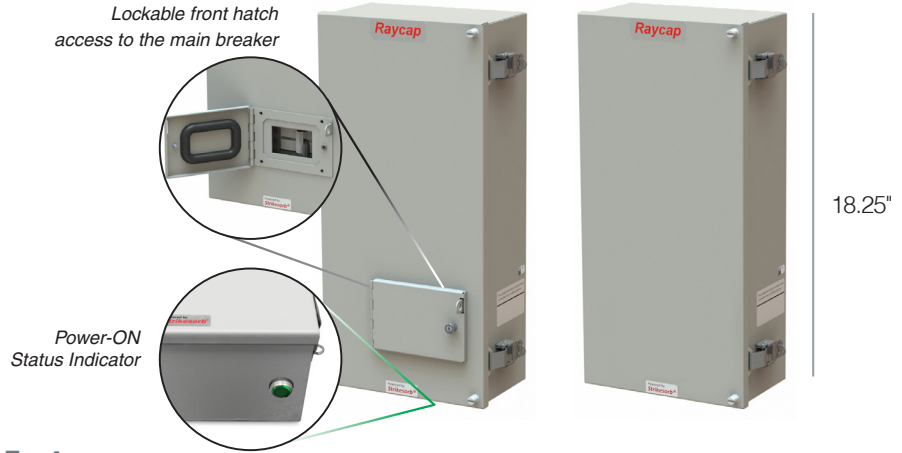
**RSx-FMN-X16MS-21NN** • **RSx-FML-X16MS-21NN** ] 60A Main Breaker

**RSx-FMN-Z16MS-21NN** • **RSx-FML-Z16MS-21NN** ] 100A Main Breaker

## Strikesorb®

The RSx-F series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 16 AC power circuits for today's small cell radio systems.

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to sixteen circuits for individual power control and over current protection
- Comes standard with (16) din rail 13mm breakers providing 120VAC circuits which can be bridged to provide (8) 240V feeds (1 breaker utilized for LED indicator when this option is chosen)
- 120/240VAC split phase configuration
- Strikesorb 30-A-2CHV Surge Protective Device (SPD)
  - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
  - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
  - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- LED indicator for "Power On" status and the position of the Main Breaker Disconnect (Optional)
  - 1 breaker utilized for LED indicator when this option is chosen
  - Maximum (15) 120VAC circuits, maximum (7) 240V feeds when this option is chosen
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asym.



**RSD-FML-Z16MS-21NN**  
(Lt. Gray color, 16 Breakers,  
Strikesorb SPD, External Disconnect &  
LED Power-ON Status Indicator)

Mounting Bracket Included

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

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**SPECIFICATIONS**



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

**RSx-FMN-X16MS-21NN • RSx-FML-X16MS-21NN** ] 60A Main Breaker  
**RSx-FMN-Z16MS-21NN • RSx-FML-Z16MS-21NN** ] 100A Main Breaker

**Product Information**

Model Number	<b>RSx-FMN-X16MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker
	<b>RSx-FML-X16MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	60A main breaker (with external disconnect & LED)
	<b>RSx-FMN-Z16MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker
	<b>RSx-FML-Z16MS-21NN</b>
Number of Circuits	Available up to 16 circuits
Service Disconnect	100A main breaker (with external disconnect & LED)
Breakers	13mm DIN Rail
Breaker Interrupt Rating (kAIC)	10kA
Connection (Power)	Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #18 - #2 AWG (1.02 - 33.6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)	Powder Coated Steel
Enclosure	Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating	NEMA 4
Operation Temperature (°C)	-40° C to +80° C
Storage Temperature (°C)	-40° C to +80° C
Dimensions (W x H x D)	9.10" x 18.25" x 6.05" [231 x 464 x 154 mm]
Weight (including 16 Breakers) lbs.	Unit: 20.9   Bracket: 2.7   System: 23.6

**Surge Suppression Specifications**

Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 8/20µs
Impulse Discharge Current [I <sub>imp</sub> ] per IEC 61643-11	5 kA 10/350µs
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

**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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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## DATA SHEET

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

## Strikesorb®

The RSx-F series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 16 AC power circuits for today's small cell radio systems.

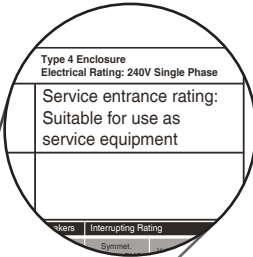
**RSx-FMN-X16MS-21NN** ] 60A Main Breaker  
**RSx-FMC-X16MS-21NN** ]

**RSx-FMN-Z16MS-21NN** ] 100A Main Breaker  
**RSx-FMC-Z16MS-21NN** ]

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



UL 67



**RSD-FMC-Z16MS-21NN**  
(Lt. Gray color, 16 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to sixteen circuits for individual power control and over current protection
- Comes standard with 16x 1-Pos, 8x 2-Pos or other combination of din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350 $\mu$ s) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
- Top, bottom or side cable entry allows for cleaner installations
- Customer specified knockouts available

### Benefits

- Offers unique maintenance free protection
- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

# Raycap

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G02-01-732 240515

**SPECIFICATIONS**



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

**RSx-FMN-X16MS-21NN**  
**RSx-FMC-X16MS-21NN** ] 60A Main Breaker

**RSx-FMN-Z16MS-21NN**  
**RSx-FMC-Z16MS-21NN** ] 100A Main Breaker

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-FMN-X16MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	60A main breaker
		<b>RSx-FMC-X16MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-FMN-Z16MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	100A main breaker
		<b>RSx-FMC-Z16MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		16x 1-Pos, 8x 2-Pos or other combination (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> )
		Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> )
		Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 18.25" x 6.05" [231 x 464 x 154 mm]
Weight (including 16 Breakers) lbs.		Unit: 20.9   Bracket: 2.7   System: 23.6

Surge Suppression Specifications	
Surge Protection Device (SPD) Type to UL	Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.	20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11	60 kA 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 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

Standards Compliance & Certifications	
<i>Strikesorb modules are compliant to the following Surge Protective Device (SPD) standards:</i>	
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 (suitable for use as service equipment)

\*Additional breakers and sizes are available and sold separately.



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AWG=American Wire Gauge

## DATA SHEET

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

## Strikesorb®

The RSx-F series are AC Disconnect, Load Center and Surge Protection Devices that are Suitable for Use as Service Equipment (SUSE). They are designed to provide robust overvoltage surge protection for up to 16 AC power circuits for today's small cell radio systems.

**RSx-FMN-X02MS-21NN** ] 60A Main Breaker  
**RSx-FMC-X02MS-21NN** ]  
**RSx-FMN-Z02MS-21NN** ] 100A Main Breaker  
**RSx-FMC-Z02MS-21NN** ]

Use (x) character in model prefix to indicate enclosure color option  
D: Light Gray G: Green B: Black N: Brown L: Blue



### Features

- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 60A or 100A main breaker
- Up to sixteen circuits for individual power control and over current protection
- Comes standard with 2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
- 120/240VAC split phase configuration
- Available Surge Protection:
  - Strikesorb 30-A-2CHV Surge Protective Device (SPD)
    - Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected
    - Withstand direct surge currents up to 5kA (10/350µs) and induced surge currents of up to 60kA (8/20)
    - Low let through / clamping voltage - as it does not employ spark gaps or other switching elements
- Lockable front hatch access to the main breaker (Optional). Main power can be turned on and off without opening the main enclosure door. Lockout Tagout (LOTO) functionality.
- Pole mount bracket facilitates mounting on 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.
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### Benefits

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- NEMA 4 rated enclosure, allowing for installation in harsh environments
- Lightweight design allows easy installation

UL 67

Type 4 Enclosure Electrical Rating: 240V Single Phase	
Service entrance rating: Suitable for use as service equipment	
Class	Interrupting Rating
Symmet.	Asym.



**RSD-FMC-Z02MS-21NN**  
(Lt. Gray color, 2 Breakers, Strikesorb SPD,  
External Disconnect)

Mounting Bracket Included

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G02-01-741 240515

**SPECIFICATIONS**



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

**RSx-FMN-X02MS-21NN**  
**RSx-FMC-X02MS-21NN** ] 60A Main Breaker  
**RSx-FMN-Z02MS-21NN**  
**RSx-FMC-Z02MS-21NN** ] 100A Main Breaker

Product Information		Strikesorb SPD Models
Model Number		<b>RSx-FMN-X02MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	60A main breaker
		<b>RSx-FMC-X02MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		<b>RSx-FMN-Z02MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	100A main breaker
		<b>RSx-FMC-Z02MS-21NN</b>
	Number of Circuits	Available up to 16 circuits
	Service Disconnect	100A main breaker (with external disconnect)
Breakers		13mm DIN Rail
Breakers Provided*		2x 1-Pos or 1x 2-Pos din-rail breakers (2A to 25A)
Breaker Interrupt Rating (kAIC)		10kA
Connection (Power)		Main Breaker #12 - #2Ø AWG (3.31 - 67.4mm <sup>2</sup> ) Branch Breaker #14 - #2 AWG (2.5 - 6mm <sup>2</sup> ) Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm <sup>2</sup> )
Enclosure Type (Outdoor)		Powder Coated Steel
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 4
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.10" x 18.25" x 6.05" [231 x 464 x 154 mm]
Weight (including 2 Breakers) lbs.		Unit:17.8   Bracket: 2.7   System: 20.5
Surge Suppression Specifications		
Surge Protection Device (SPD) Type to UL		Strikesorb 30-A-2CHV Surge Suppression
Surge Protective Device (SPD) Type per UL 1449 5th 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 5th Ed.		20 kA 8/20µs
Maximum Discharge Current [I <sub>max</sub> ] per IEC 61643-11		60 kA 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 per line
Voltage Protection Level [U <sub>p</sub> ] per IEC 61643-11		700V
Suppression Technology		MOV
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Certification		UL, VDE, CE
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