

DATA SHEET

powered by
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.

AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

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

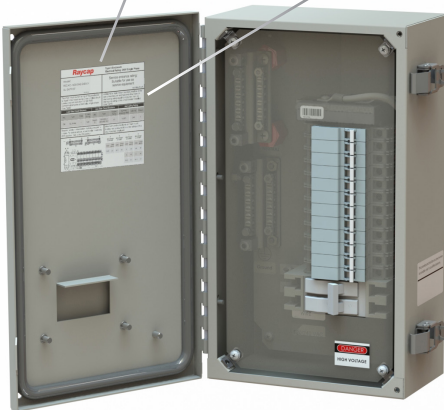
RSx-EMN-Z12MS-21NN
RSx-EMC-Z12MS-21NN] 100A Main Breaker

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

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

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Strikesorb[®]

AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

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

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

Product Information		Strikesorb SPD Models
Model Number		RSx-EMN-X12MS-21NN
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker
		RSx-EMC-X12MS-21NN
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	60A main breaker (with external disconnect)
		RSx-EMN-Z12MS-21NN
	Number of Circuits	Available up to 12 circuits
	Service Disconnect	100A main breaker
		RSx-EMC-Z12MS-21NN
	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 ²)
		Branch Breaker #14 - #2 AWG (2.5 - 6mm ²)
		Ground and Neutral Busbars #14 - #2 AWG (2.08 - 33.6mm ²)
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 4th Ed.		Recognized UL SPD
Surge Protection Device (SPD) Class to IEC 61643-11		Class I
Nominal Operating Voltage [U _n]		120V / 240V split phase
Nominal Discharge Current [I _n] per UL 1449 4th Ed.		20 kA 8/20µs
Maximum Discharge Current [I _{max}] per IEC 61643-11		60 kA 8/20µs
Impulse Discharge Current [I _{imp}] per IEC 61643-11		5kA 10/350µs
Maximum Continuous Operating Voltage [U _c] (MCOV)		150V per line
Voltage Protection Level [U _p] 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 4th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1		
Certification		UL, VDE, CE
Panel Board Certification		UL 67 Pending (suitable for use as service equipment)

*Additional breakers and sizes are available and sold separately.

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AWG=American Wire Gauge

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