

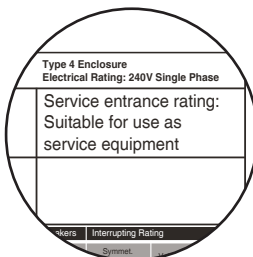
Combination Meterbase & AC Disconnect with Integrated Surge Protection for Small Cell Radio Heads

RMD-E2C-Z12MS-21ND

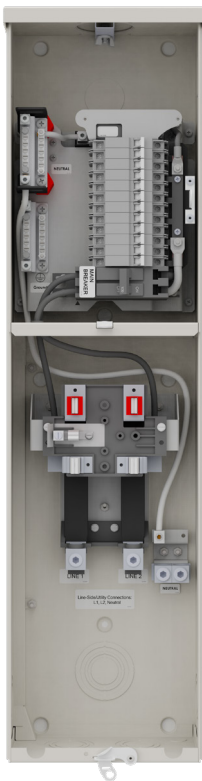
Dominion Energy approved

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Strikesorb®

The RMD-E2C-Z12MS-21ND is a Meterbase & 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 12 AC power circuits for today's small cell radio systems.



UL 67 & UL 414 (Pending)



RMD-E2N-Z12MS-21ND

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



Features

- Tightly integrated Ringless Meterbase and AC Disconnect functionality in one narrow enclosure (only 9.5"W to better blend when pole-mounted)
- Suitable for Use as Service Equipment (SUSE) without condition per UL and NEC with 100A main breaker
- Twelve circuits for individual power control and over current protection
- Comes standard with (12) DIN rail 13mm breakers providing (12) 120VAC circuits which can be bridged to provide (6) 240V feeds
- 120/240VAC split-phase or 2 of 3 phases from 208Y/120VAC 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.
- Flexible mounting options for walls, poles or H-Frames
- Top, bottom, side or rear cable entry allows for cleaner more flexible installations

Benefits

- Ideal cable-routing strategy for Utility connection from underground services and then Customer feeds to tower-mounted loads above
- Offers unique maintenance free protection
- NEMA 3R rated enclosure, allowing for installation in harsh environments or inside poles
- Lightweight integrated design allows easy, time-saving installation. Meter-output connections to the Main Breaker are pre-terminated and factory tested to eliminate cost of extra parts and labor.

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SPECIFICATIONS

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Product Information

12x Load-Breaker Models

Model Number		RMD-E2C-Z12MS-21ND
Number of Circuits		12x 120VAC or 6x 240VAC
Service Disconnect		100A main breaker (with external disconnect)
Crown Castle IMN:	4000.19013	(Light Gray in Color)
Breakers		13mm DIN Rail
Breakers Provided*		12x 1-Pos, 6x 2-Pos or other combination
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)		Aluminum
Enclosure		Hinged with Padlockable Latches
Environmental Ingress Protection (IP) Rating		NEMA 3R
Operation Temperature (°C)		-40° C to +80° C
Storage Temperature (°C)		-40° C to +80° C
Dimensions (W x H x D)		9.50" x 35.89" x 6.10" [241x 912 x 155 mm]
Weight (including breakers) lbs.		Unit: 25.0 (11.4 kg)

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 _n]	120V / 240V split phase
Nominal Discharge Current [I _n] per UL 1449 5th 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	5 kA 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

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 & 414 (suitable for use as service equipment), MEG approval

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

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AWG=American Wire Gauge

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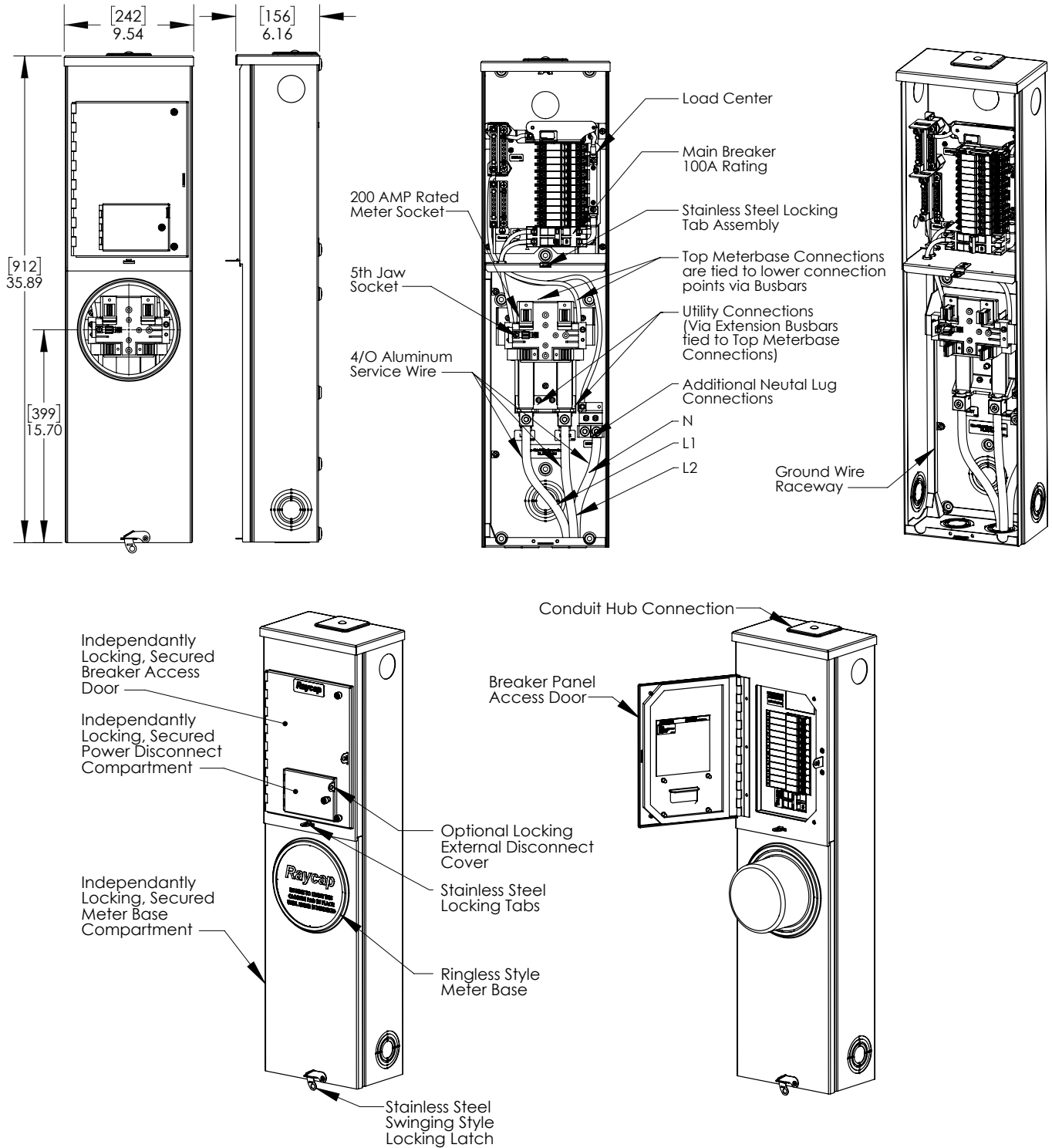
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Product Drawings



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