

**MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1**

**Automatic Circuit Recloser, 630 Amp, 11000V AC, 3-Phase, NEMA 3R, Pole Mounted**

**Product ID: 327827**



Image: MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

**MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 Automatic Circuit**

**Recloser**

**Product Type:** Automatic Circuit Recloser

**Current Type:** AC

**Phases:** 3 Phase

**Nominal Operating Voltage:** 11 kV

**Rated Maximum Voltage:** 15.5 kV

**Rated lightning impulse withstand voltage:** 75 kV

**Creepage Distance:** 224.84 inches

**Rated power frequency:** 50 Hz

**Rated Continuous Current:** 630 A

**Short-Time Breaking Capacity:** 12.5 kA, 1 sec.

**Making Current (Peak):** 25 kA

**Protection:** o/c & e/f digital relay

**Closing Voltage:** 90 V

**Tripping Voltage:** 90 V

**Interrupting Medium:** Vacuum

**Mechanical Operation:** 10,000

**Full Load Operation:** 10,000

**Closing Mechanism:** Magnetic Actuator

**Tripping Mechanism:** Magnetic Actuator

**Bushing Type:** Silicon Rubber

**Terminals:** 2-4 Hole Pad Terminals

**Operating mechanism:** Dual-Coil (Bi-stable), Magnetic actuator

**Manual Operation Handle:** Yellow, under sleet hood

**Ratings/Approvals**

Complies with ANSI C37.60-2012

**Factory Tests**

High potential withstand test

Pressure test for sealing verification

Functional and TCC trip tests

Production tests per IEEE C37.60

Dielectric, mechanical life, and heat run tests

**Energy Storage:** Close and trip capacitors for 100 operations after power loss

**Current Transformers:** (3) 400:1 Ratio

**SCADA Interface:** RS-232 (DNP) & Ethernet 100 Base FX (DNP, Modbus, IEC 60870-5)

**Programmable I/O:** (8) inputs and (8) outputs

**Operating Modes:** Mode A: Three-phase trip, three-phase lockout / Mode B: Single-phase trip, three-phase lockout / Mode C: Single-phase trip, single-phase lockout

**Lockout Feature:** Manual handle in open position prevents electrical closing

**Position Indicator:** Red/green flag for open/closed status

**Ambient Temperature:** -40°C to +55°C

**Humidity:** 0-100%

**Altitude:** 9,850 Ft

**Protection Degree:** NEMA 3R

**Mounting:** Pole-mounted Through Mounting Brackets

**Mounting Frame:** Galvanized cluster-mounting frame for pole mounting

**Finish Paint:** Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)

**Weight:** 837.76 lbs

**Dimensions:** 30.71"-W x 11.3"-D x 24.53"-H

**Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

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**Made in the USA**

The MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 from Larson Electronics is an Automatic Circuit Recloser (ACR), which designed for use on overhead distribution lines as well as distribution substation applications for voltage class 15.5 KV.

***\*PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS\****

The MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 is completely supplied with an RC control and communications cubicle. The RC control cubicle provides all the protection, data logging and communications functions in a single device. The MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 has been designed for use as a stand alone device that is easily integrated into distribution automation and remote control schemes using the in-built communications capability.

The MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 incorporates vacuum interrupters inside solid dielectric insulated poles which are housed within the arc fault venting designed, stainless steel tank. This ensures maximum life and reliability with a fully insulated arrangement inside the long life housing.

**Operation:** Each phase of the recloser mechanism is operated by an individual magnetic actuator. In the MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 three phase operation the magnetic actuators are mechanically interlocked to guarantee correct operation. The device is latched in the closed position by magnetic latching and each magnetic actuator uses a single coil. The recloser can be mechanically tripped using the yellow mechanical hook stick operated lever in the base of the tank. The device Open/Close indication, also located in the base of the tank, uses a green 'O' to designate contacts are open and a red 'I' to designate contacts closed.

**Mount:** The MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 is pole mounted.

**Certification:** This MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 complies with the ISO 9001 Standards, certified by an external independent organization, complies with the AS/NZS ISO 14001 & AS/NZS 4801 Standards, certified by an external independent organization and OHSAS 18001 Standards

**Applications:** This MT-ACR-VA-R7-3P-AC-DMV-630A-12.5KA-5-UPM-Z-Z-N3R-M1 is used in power distribution to control and protect lines, transformer and distribution substations, motors, transformers, capacitor banks, etc.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.



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## Frequently Asked Questions (FAQ)

There are no Faqs