

MT-INT-SF6-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-M1

Circuit Switcher – SF6 Interrupter Type – 25 kV AC – 1200A – 3-Pole – Outdoor Mounted

Product ID: 327512



Image: MT-INT-SF6-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-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-INT-SF6-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-M1 Circuit Switcher

Unit Type: Circuit Switcher, SF6 interrupter type

Nominal Voltage: 25.8 kV

Maximum Rated Voltage: 27 kV

Voltage Class: 25 kV

Rated Continuous Current: 1200A

Insulation Level:

Rated Short-Duration Power Frequency Withstand Voltage, Dry: 50 KV

BIL: 150 KV

Creepage Distance (To Ground): 47.24 inches

Creepage Distance (Across Break): 47.24 inches

No. Of Poles: 3-Poles

Frequency: 60 Hz

Rated Short Time Withstand Current, Up to 3 s: 25 kA

Rated Peak withstand Current: 62.5 kA

Maximum Symmetrical Interrupting Capability: 25 kA

3-Second Short Time Current Carrying Capability: 25 kA

Closing and Latching Capability: 62.5 kA peak

Rated Break Time: 0.06 sec.

Auxiliary Voltage: 120VAC/125VDC

Operating Mechanism: Motor Charged Spring for 3 pole operation ("OCO"), Gang Operated

Motor Voltage: 125VDC

Ratings

NRTL Listed Service Equipment

Complies With IEEE-693

Complies With IEEE C37.06-2000

Complies With ANSI/IEEE C37.04-2018

Complies With ANSI/IEEE C37.04-1999

Complies With ANSI/IEEE C57.13-1993

Complies With ASTM D 2472-00

30 Years Maintenance Cycle

Made in the USA

Control Voltage: 120VAC
Breaks Per Phase: (1)
Contact Gap: 4.5 inches
Phase Spacing: 85.3 inches
RIV at 1000 kHz: <500 μ V
Trip and Close Coil Voltage Range: 125VDC
Number of Trip Coils: (1)
Closing Coil: Operated electrically (local & remote)
Trip Coil: Operated electrically (local & remote) + mechanically
Trip Coil Monitors: SEL-2652
Space Heater: Included, Thermostat controlled
Asymmetrical Int. Capability Ratio: 1.2
Closing Time (Total): 70 ms
Rated Reclosing Time: 12 Cycles
Rated Duty Cycle: O-0.3S-CO-15S-CO (No Derating)
Bushing Current Transformer: Included, (1) Per Bushing, Window Type, 1200:5 MR, 2.5 Accuracy Class, 400 VA Burden Rating
Bushing Type: Porcelain, ANSI 61 Sky Grey
Bushing Quantity: (6) Roof Bushings
Bushing Termination: 8-hole NEMA pad Aluminum Alloy Terminals
Bushing Rating: 25.8 kV Class, 150 kV BIL
External Metal Parts: Hot Dipped Galvanized per ASTM standards
Support Frame Ground Lugs: Suitable for #4/0 AWG Cu
Fusing: Included, knife blade fuses for close and trip circuits
Switching: Included, double-pole single throw switches for the trip and close circuit isolation
Pressure Gauge: Included
Pressure Switches: For trip/close & alarm circuits (low & low/low)
Ambient Temperature Range: -30° C to +40° C
Partial Discharge Capacity: < 5 pc
Seismic Withstand Rating: 0.3 g Dynamic, Complies with IEEE-693
Wind Load Rating: 90 mph
Mounting: Floor mounted on a welded hot-dip galvanized steel base structure with removable legs
Lifting Eyes: Included
Ground Pads: Included, (2) bolted bronze type grounding terminals for 7#5 Copper weld conductor are provided on diagonally opposite corners of the structural frame of the high voltage
Enclosure Material: Coated Steel
Nameplate Material: Stainless Steel
Enclosure Finish: ANSI 61 Sky Grey
Insulating Medium: SF6
SF6 Gas System: Includes pressure alarms, valves, dryers, filters and all accessories for filling, removal, operation and maintenance of the circuit breaker, Temperature compensated gas pressure gauges and gas density monitors, 1/4" tube fitting - a 37 degree AN male 7/16-20 flare type, 1" Dilo fitting (Swagelok. Manufactured) for SF6 filling, 316 stainless steel gas lines and valves (Cajon Manufactured), Two pressure switches
SF6 Tubing: H2S corrosion proof (316 Stainless Steel)
SF6 Tubing Joints: Mechanical Compression type (no silver soldering)
SF6 Weight: 161 lbs
SF6 Rated Filling Pressure For Operation: 50.76 PSIG @ 20°C
SF6 Alarm Pressure For Operation: 42 PSIG @ 20°C
SF6 Min. Functional Pressure: 40.61 PSIG @ 20°C

Gas filling: 1 bottle of SF₆ gas per breaker

SF₆ Leakage Rate Per Year: < 0.5%

Gas filling equipment to be supplied: Regulators, Hoses, fittings & special tools

Hardware Material: 316 Stainless Steel

Control Cabinet Protection Degree: Weatherproof Fiberglass NEMA 4X Enclosure

Service Condition: Outdoor

Total Dimensions: 78.11"-W x 85.98"-D x 113.82"-H

Total Weight: 2,425 lbs

Foundation Dimensions:

Shipping Dimensions: -

Shipping Weight: -

Larson Electronics manufactures a wide variety of custom power distribution systems.

The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The MT-INT-SF₆-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-Z-M1 from Larson Electronics is a 25.8 kV class SF₆ Circuit Switcher designed for primary protection and switching of medium-voltage feeders and substation transformers. This outdoor, fixed-mount interrupter assembly features SF₆ gas-filled interrupter bottles, 25 kA symmetrical interrupting capability, and 1200A continuous current capacity, making it ideal for utility and industrial medium-voltage distribution systems.

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

Engineered for reliable switching and fault interruption, the MT-INT-SF₆-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-Z-M1 Circuit Switcher provides a safe method to isolate, energize, or protect critical substation assets. Operating at three-phase 25.8 kV, this 3-pole unit utilizes a motor-charged stored-energy mechanism for fast O-CO-O operation. All control and signaling components are accessible in the weatherproof control cabinet, with provisions for remote operation, trip coil monitoring, and local/remote control interlocks.

Operation: All the control and signaling devices are located on the front of the circuit-breaker. Suitable locks prevent incorrect operations. The antipumping device is always provided on the actuator. The nameplate, located on the front panel, enables all the circuit-breaker characteristics to be identified.

Mount: The MT-INT-SF₆-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-Z-M1 circuit breaker is floor mounted. The breaker is operated by a motor-charged stored energy spring mechanism, charging of the circuit breaker is normally performed by an electric motor and in an emergency by a manual charging handle.

Certification: This MT-INT-SF₆-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-Z-M1 complies with the ISO 9001 Standards, certified by an external independent organization, complies with the ISO 14001 Standards, certified by an external independent organization and OHSAS 18001 Standards

Applications: This MT-INT-SF₆-R7-3P-AC-DVD-1200A-25KA-6-FX-Z-Z-Z-M1 are 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 for more information about our custom options tailored to meet your specific industry needs.







Frequently Asked Questions (FAQ)

There are no Faqs