elastimold

CATÁLOGO DE PRODUTOS

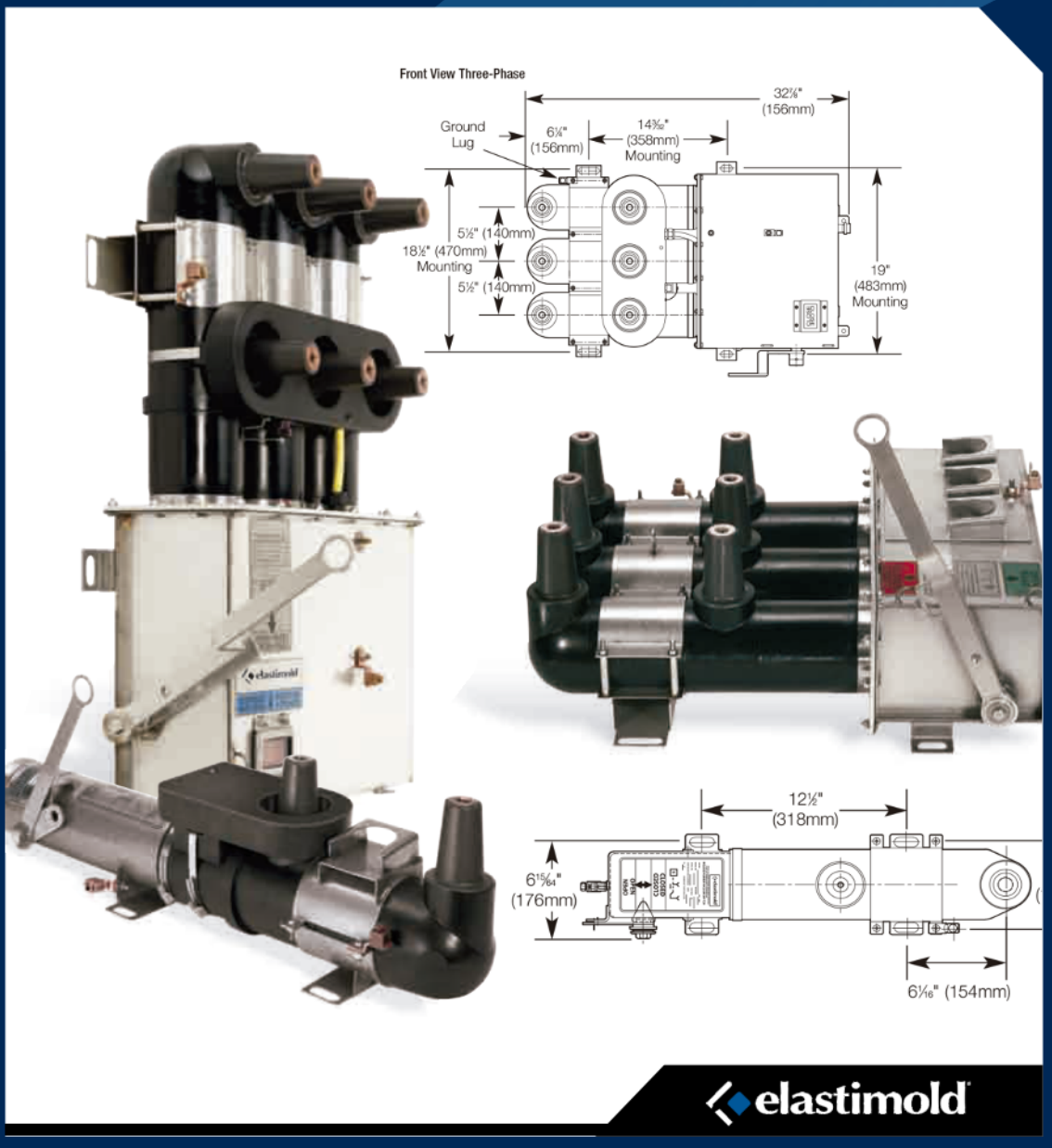
GRUPO

enercom

REDES ELÉTRICAS SUBTERRÂNEAS

37 ANOS

LINHA COMPLETA DE PRODUTOS PARA REDES ELÉTRICAS SUBTERRÂNEAS



elastimold

Chaves Submersíveis

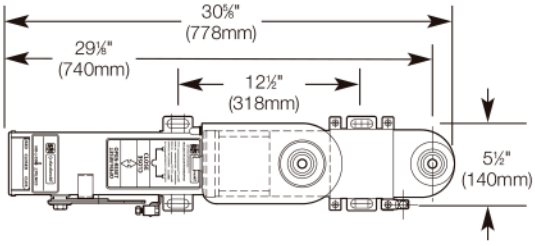
MVI Molded Vacuum Fault Interrupters

Make, carry and automatically interrupt currents through 25,000A symmetrical on 5 to 38kV distribution systems.

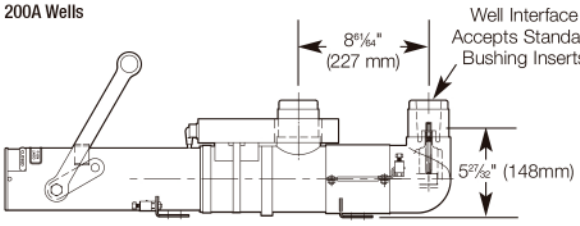
MVI Molded Vacuum Fault Interrupters include molded-in elbow connection interfaces and trip-free mechanisms. They are available in single- and three-phase models. Units are self-powered and include current-sensing and electronic control.

Features	Benefits/Descriptions
Combines Vacuum Interrupters, Programmable, Electronic, Self-Powered Controls and EPDM Rubber Insulation	Components provide compact, lightweight and submersible overcurrent protection.
Field Programmable with a Wide Range of Time-Current Characteristic (TCC) Curves and Trip Settings	TCC curves provide predictable tripping for ease of coordination with upstream and/or downstream protective devices.
Control Monitors the Circuit Condition	When the programmed parameters are exceeded, a signal is sent to the tripping mechanism.
Motor Operators and Controls Available	Enable radial feeders or loops to be reconfigured, either manually or via SCADA.

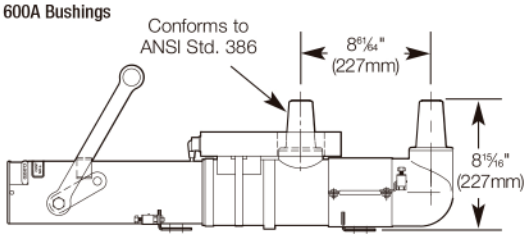
Front View Single-Phase



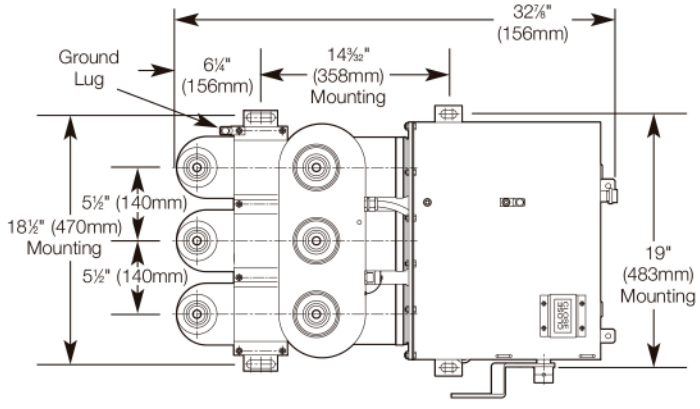
200A Wells



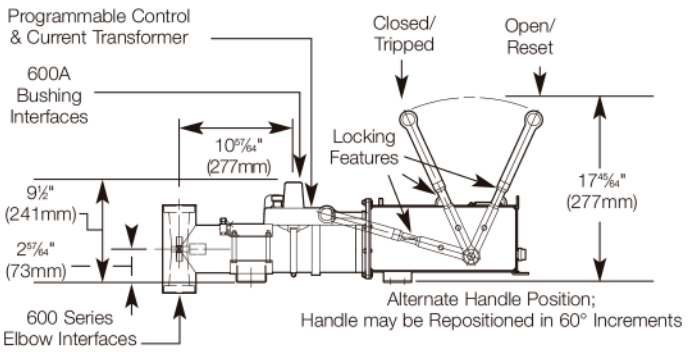
600A Bushings



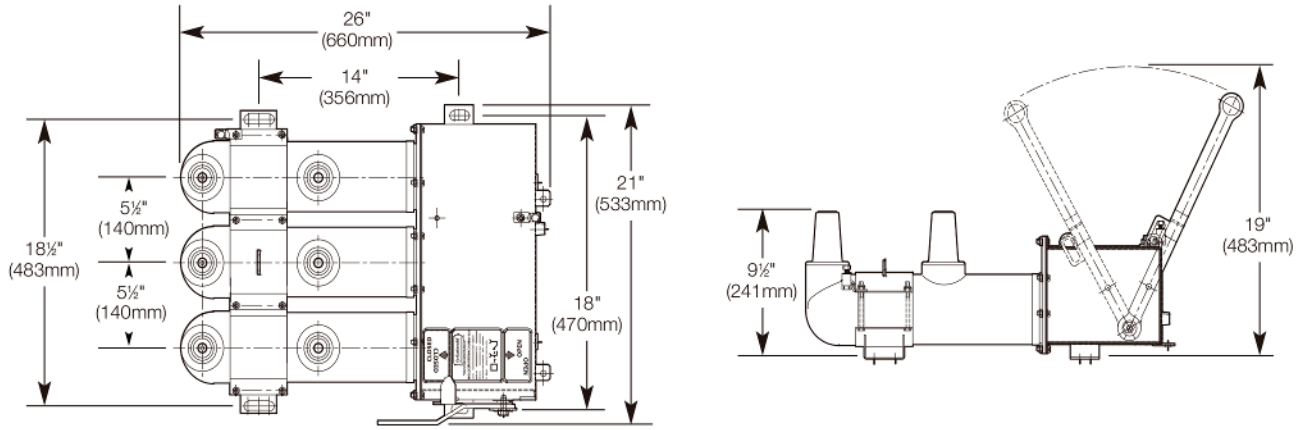
Front View Three-Phase



600A T Elbow Interface



Three-Phase Switches
Approximate Weight: 135 lbs.



Available with 600A one-piece bushings or 200A wells on either/both terminals.

Ratings

Maximum Design Voltage (kV)	15.5	27	38
Frequency (Hz)	50/60	50/60	50/60
BIL Impulse (kV)	95	125	150
One-Minute AC Withstand (kV)	35	60	70
Fifteen-Minute DC Withstand (kV)	53	78	103
Load Interrupting & Loop Switching (Amp)	600	600	600
Transformer Magnetizing Interrupting (Amp)	21	21	21
Capacitor or Cable Charging Interrupting (Amp)	40	40	40
Asymmetrical Momentary and 3-Operation Fault Close (Amp)	20,000	20,000	20,000
Symmetrical One-Second Rating (Amp)	12,500	12,500	12,500
Continuous Current (Amp)	600	600	600
Eight-Hour Overload Current (Amp)	900	900	900

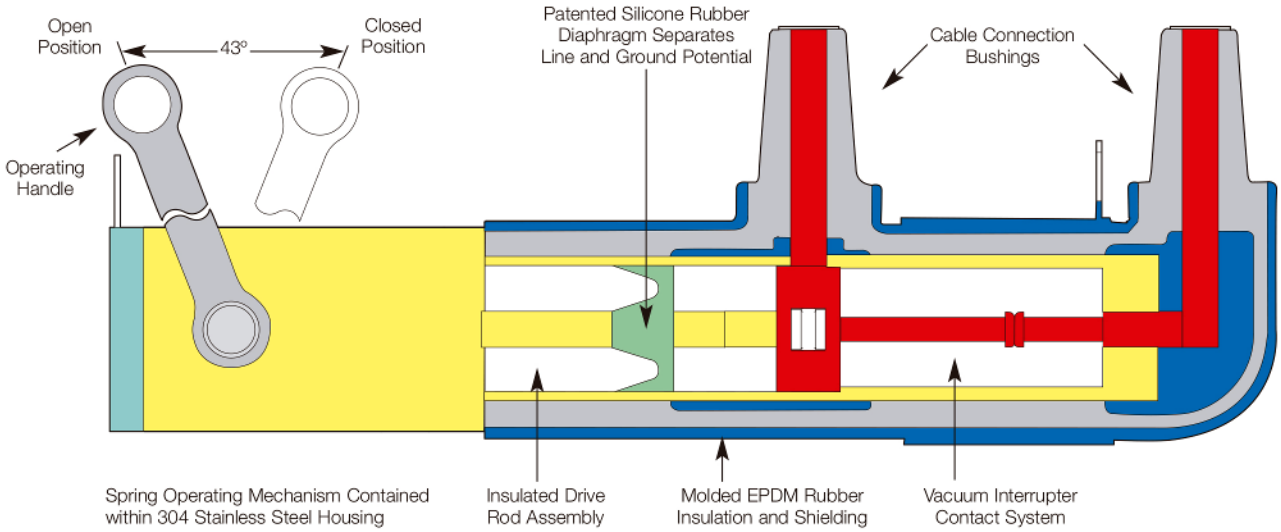
Application Information

Construction: Submersible, corrosion resistant, fully shielded
Ambient Temperature Range: -40° C to 65° C

Certified Tests

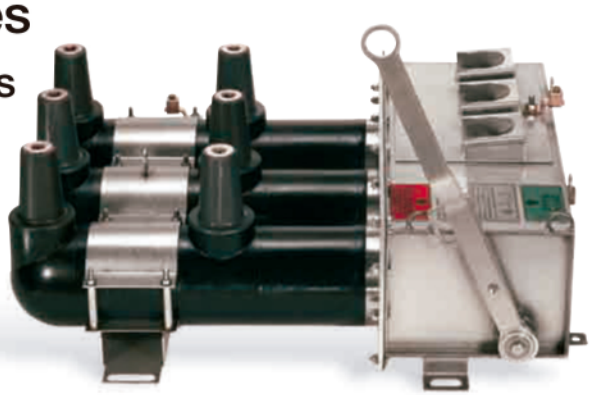
MVS loadbreak switches have been designed and tested per applicable portions of IEEE, ANSI, NEMA and other industry standards, including:

IEEE C37.74 Standard for Subsurface, Vault and Padmounted Load-Interrupting Switches
IEEE 386 Standard for Separable Connectors and Bushing Interfaces
IEC 265 International Standards for Load-Interrupting Switches
ANSI C57.12.28 Standard for Padmount Enclosures



MVS Molded Vacuum Switches

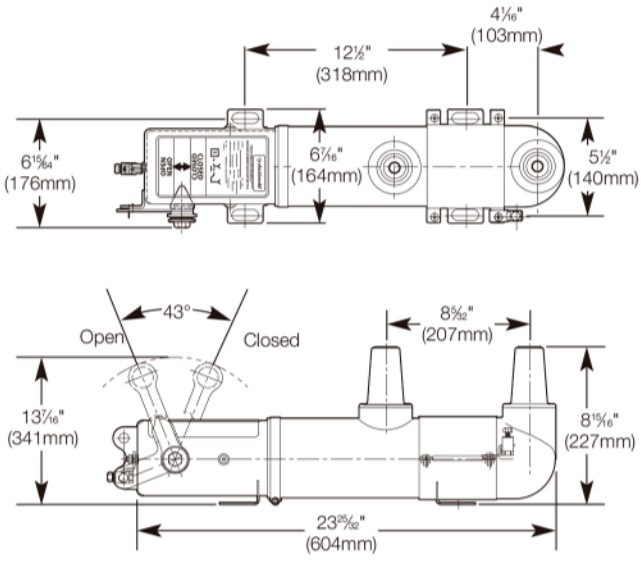
Spring-energy, load-switching devices that make, carry and interrupt load currents through 600A on 5 to 38kV distribution systems.



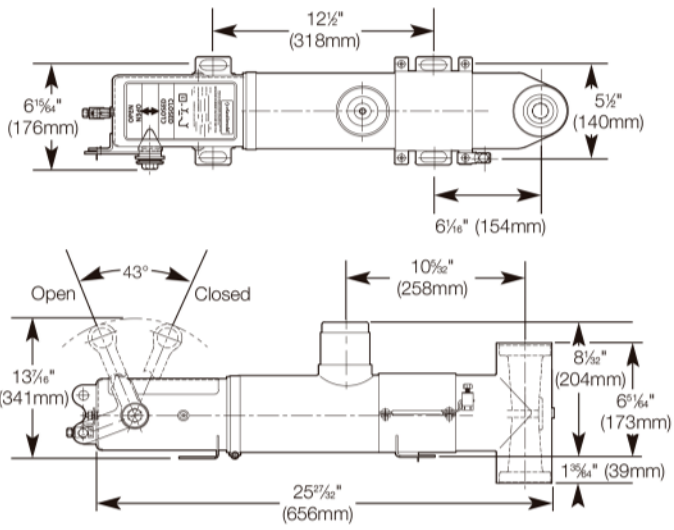
MVS Molded Vacuum Switches include molded-in elbow connection interfaces and spring-energy mechanisms. Available in both single- and three-phase models, units are manually operated with a hotstick. Motor operator, SCADA and auto-transfer control options are available.

Features	Benefits/Descriptions
EPDM Molded Rubber Insulation	MVSs are fully sealed and submersible.
Vacuum Switching and Vacuum Interruption	Components are maintenance-free and require no gas or oil.
Compact and Lightweight	Small footprint enables MVSs to fit in tight padmount, subsurface, vault or riser pole installations.

Single-Phase Switches
Approximate Weight: 30 lbs.



(4) Mounting Holes, ⅝" Dia. x ⅞" (16 x 22mm)



(4) Mounting Holes, ⅝" Dia. x ⅞" (16 x 22mm)

Available with 600A one-piece bushings or 200A wells on either/both terminals.

Ratings

Voltage Class (kV)	15.5	15.5	15.5	27	35	35
Maximum Design Voltage (kV)	17	17	15.5	29	38	38
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
BIL Impulse Withstand (kV)	95	95	95	125	150	150
One-Minute AC Withstand (kV)	35	35	35	60	70	70
Five-Minute DC Withstand (kV)	53	53	53	78	103	103
Continuous Current (Amp)	600	600	600	600	600	600
Load Interrupting & Loop Switching (Amp)	600	600	600	600	600	600
Transformer Magnetizing Interrupting (Amp)	21	21	21	21	21	21
Capacitor or Cable Charging Interrupting (Amp)	40	40	40	40	40	40
Symmetrical/Asymmetrical Interrupting Capability (kA)	12.5/20	16/25.6	20/32	12.5/20	12.5/20	25/40
Current Sensor Ratio	1,000:1	1,000:1	1,000:1	1,000:1	1,000:1	1,000:1

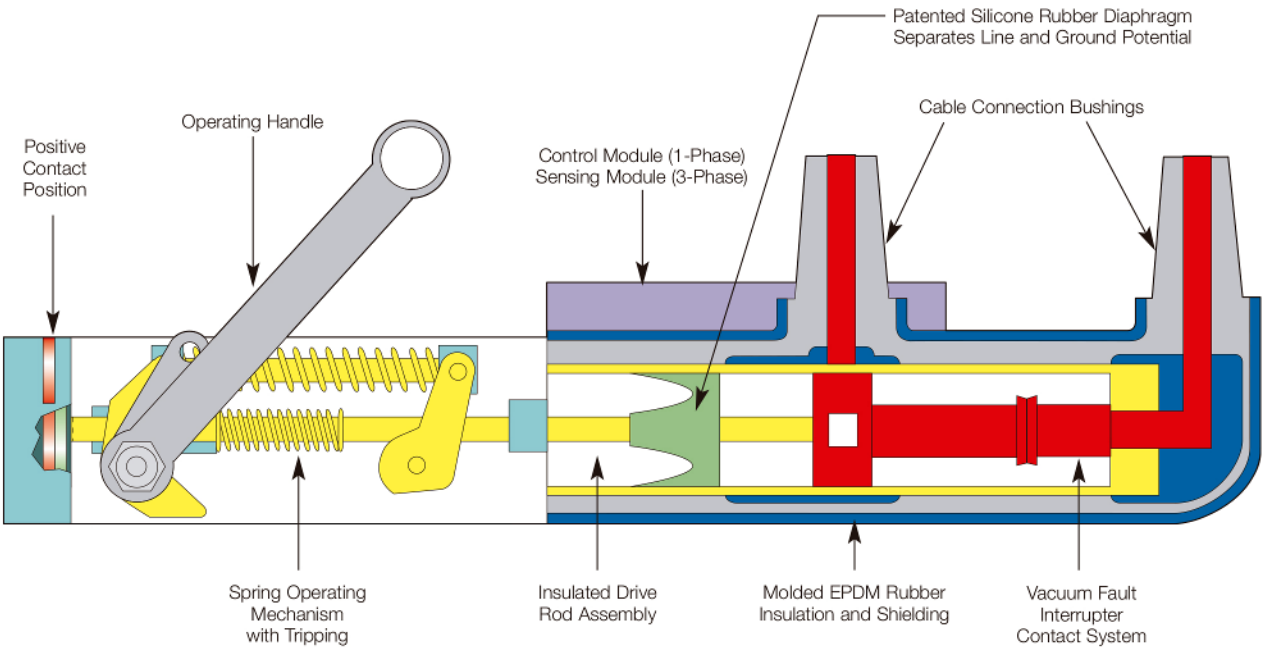
Application Information

Meets ANSI C37.60 requirements
Ambient Temperature Range: -40° C to 65° C

Certified Tests

MVI Molded Vacuum Fault Interrupters have been designed and tested per applicable portions of IEEE, ANSI, NEMA and other industry standards, including:

ANSI C37.60 Standard for Fault Interrupters
IEEE 386 Standard for Separable Connectors and Bushing Interfaces
ANSI C57.12.28 Standard for Padmounted Enclosures



GRUPO

enercom

37 ANOS EXPERIÊNCIA E INOVAÇÃO CONSTANTE.

+55 11 2919-0911
www.enercom.com.br

Acesse nossas redes: