

MV Series
Medium Voltage

Surge Protective Device



Medium Voltage Parallel Suppressor designed for Oil & Gas, Water, Chemical, Large Industrial & Heavy Duty Applications at Service Entrance, Distribution and Individual Equipment.

Specifications

- Available Surge Current Ratings
 - 120kA per phase
 - 240kA per phase
- Proven 'large block' 40mm MOV Technology
- Protection Modes: All Modes L-L & L-G (Normal mode & Common mode)
- Directly connected MOV suppression elements
- NEMA 4 (IP66) Heavy Gauge Steel Enclosure
- Dimensions
 - 31cm (12") X 31cm (12") X 15.5cm (6")
- Weight:
 - Without monitoring: 29.5kg (65 Lbs)
 - With monitoring: 34.5kg (75 Lbs)
- Relative Humidity Range: 0 100% Non-Condensing
- Operating Frequency: 50Hz, 60Hz
- Operating Temperature: -40°C (-40°F) to +85°C (+185°F)

Quality

- Seven (7) Year Warranty on TVSS
- One (1) Year Warranty on Diagnostic Instrumentation
- Every unit Burn-in Tested Prior to Shipment
- ANSI/IEEE C62.11
- APT's Quality Management System is ISO 9001:2000 Certified

Design Features

- Low clamping voltage for maximum equipment protection
- Parallel design MOV suppression allows installation flexibility
- Bi-directional operation for positive & negative surges)
- Solid state, fully automatic action & reset
- Intended for High Energy applications including all IEEE C62.41.2 Category A, B & C High Applications
- Pre-wired with 5 feet (1.3 Meters) #6 stranded leads
- Includes internally threaded conduit hub
- External Mounting Flanges
- Inorganic silica particle encapsulation
 - Noncombustible at extreme temperature
 - Superior gaseous expansion tolerance
- Double insulated against ground fault or arcing with separate polypropylene and polyethylene layers
- Elastomeric Ceramgard® potting protects against environmental contaminants
- Fusing coordinate to electrical system
- High Voltage warning labels standard

Optional Monitoring Package

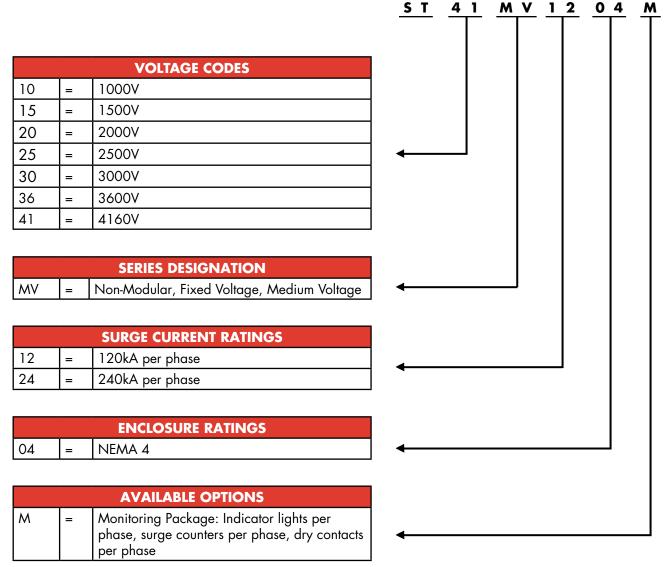
- Allows for on-site or remote monitoring of suppression circuits
 - Indicator lights for each phase
 - Surge Counters for each phase
 - Dry Contacts for each phase
 - Available on 120kA models only



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| MODEL | SERVICE VOLTAGE | MCOV |
|--------|-----------------|---------|
| ST10MV | 1000VAC | 1200VAC |
| ST15MV | 1500VAC | 2000VAC |
| ST20MV | 2000VAC | 2400VAC |
| ST25MV | 2500VAC | 3400VAC |
| ST30MV | 3000VAC | 4000VAC |
| ST36MV | 3600VAC | 4800VAC |
| ST41MV | 4160VAC | 5600VAC |

Example Part Number: ST41MV1204M = 4160V, 120kA per phase, NEMA 4 Enclosure, Monitoring Package Included.



Note: Monitoring Package available only on 120kA per phase models

