



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.

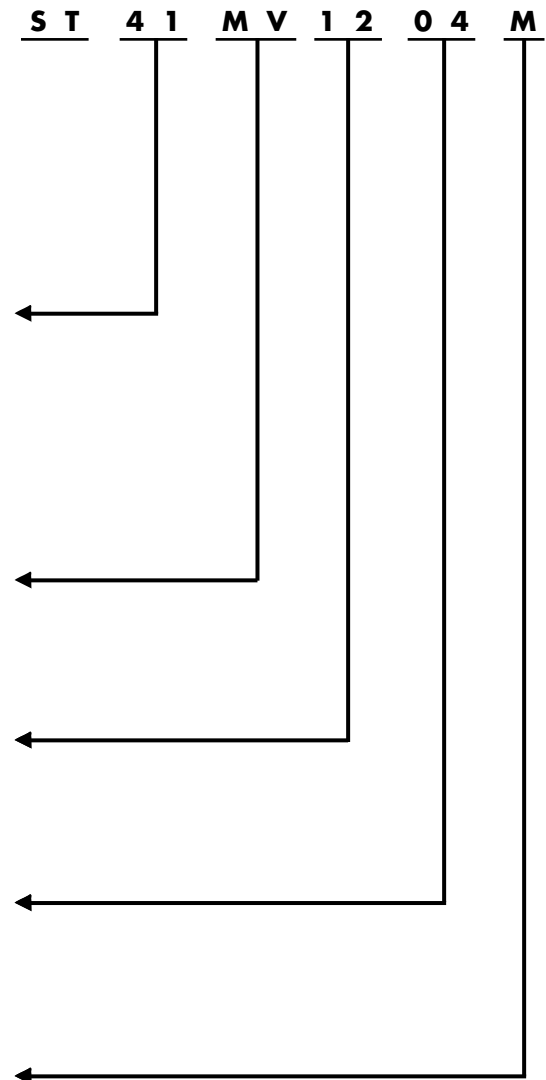
VOLTAGE CODES		
10	=	1000V
15	=	1500V
20	=	2000V
25	=	2500V
30	=	3000V
36	=	3600V
41	=	4160V

SERIES DESIGNATION		
MV	=	Non-Modular, Fixed Voltage, Medium Voltage

SURGE CURRENT RATINGS		
12	=	120kA per phase
24	=	240kA per phase

ENCLOSURE RATINGS		
04	=	NEMA 4

AVAILABLE OPTIONS		
M	=	Monitoring Package: Indicator lights per phase, surge counters per phase, dry contacts per phase



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

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