



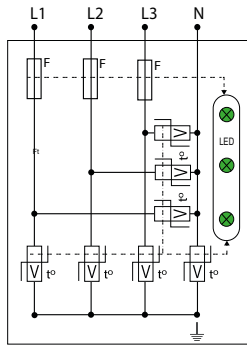
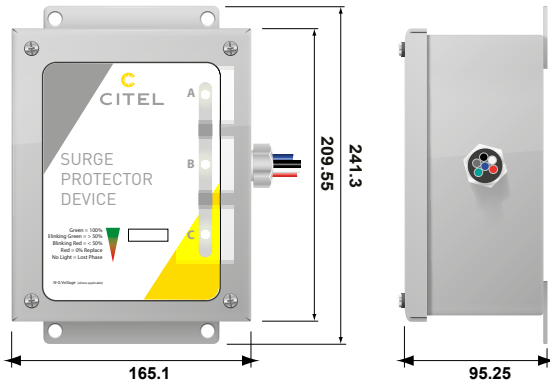
SERIES MS



- I_{max} from 105 to 220 kA (8/20μs)
- All mode of protection
- 200 kA short-circuit fault current rated
- Multi-redundant protection circuit per phase
- Full on-board diagnostics - LED indicators, remote and audible alarms
- EMI/RFI noise filtering (option)
- NEMA 4/4X/12 enclosure
- UL 1449 5th Ed. Type 1 listed
- Lightning counter (option)

Characteristics

Series	MS80	MS100	MS160	MS200
Max. discharge current by phase I _{max}	105 kA	132 kA	192 kA	220 kA
Type of Network				
120/240 Vac Split Phase 3Ph+PE	MS80-120T	MS100-120T	MS160-120T	MS200-120T
120/208 Vac Wye 3Ph/N+PE	MS80-120Y	MS100-120Y	MS160-120Y	MS200-120Y
277/480 Vac Wye 3Ph/N+PE	MS80-277Y	MS100-277Y	MS160-277Y	MS200-277Y
240/415 Vac Wye 3Ph/N+PE	MS80-240Y	MS100-240Y	MS160-240Y	M2S00-240Y
120/120/240 Vac Hi-Leg Delta 3Ph/N PE	MS80-240DCT	MS100-240DCT	MS160-240DCT	MS200-240DCT
240 Vac Delta 3Ph+PE	MS80-240D	MS100-240D	MS160-240D	MS200-240D
347/600 Vac Wye 3Ph/N+PE	MS80-347Y	MS100-347Y	MS160-347Y	MS200-347Y
480 Vac Delta 3Ph+PE	MS80-480D	MS100-480D	MS160-480D	MS200-480D
Protection modes	L/N - L/PE - N/PE - L/L			
Admissible short-circuit current	200 kA			
RFI filtering	- 40 dB			
Standards compliance	UL1449 5th edition - IEC 61643-1			
Safety				
Thermal disconnecter	internal to each component			
Electrical disconnecter	internal to each surge protector			
Failure indicators	by Led			
Failure indicators	audible alarm and remote signaling			
Mechanical characteristics				
Housing material	Metal-NEMA 4, NEMA 12, Stainless steel-NEMA 4X			
Operating temperature	-40/+85 °C			
Mounting	Wall mounting by screws (not supplied)			
Connection to AC network	#10 AWG 36" Leads			
Dimensions (H x L x D)	203 x 152 x 101 mm [8" x 6" x 4"]			
Specific features				
Disconnection switch	no			



V: High energy varistor
 t°: Thermal disconnector
 F: Fuse
 LED: Failure indicator

Version	Network	Voltage max. (Uc)	Residual voltage (V) following UL1449@500A			
			L-N	L-PE	N-PE	L-L
MSxxx-120T	120/240 Vac Split Phase 3Ph+PE	150Vac	700	700	700	1000
MSxxx-120Y	120/208 Vac Wye 3Ph/N+PE	150Vac	700	700	700	1000
MSxxx-277Y	277/480 Vac Wye 3Ph/N+PE	320Vac	1000	1200	1000	1800
MSxxx-240Y	240/415 Vac Wye 3Ph/N+PE	320Vac	1000	1200	1000	1800
MSxxx-240DCT	120/120/240 Vac Hi-Leg Delta 3Ph/N PE	150/320vac	1000	1200	1000	1800
MSxxx-240D	240 Vac Delta 3Ph+PE	320Vac	-	1200	-	1800
MSxxx-347Y	347/600 Vac Wye 3Ph/N+PE	550Vac	1800	1800	1800	3000
MSxxx-480D	480 Vac Delta 3Ph+PE	500Vac	-	1800	-	3000