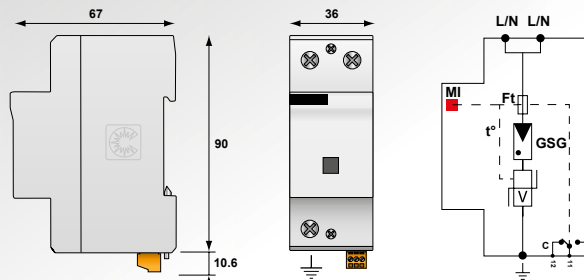


Type 1 + 2 + 3 AC Surge Protector DS250VG series



CITEL

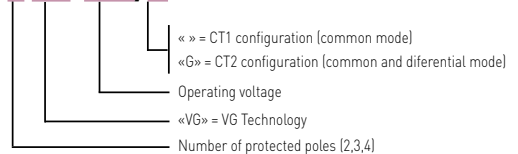
limp
25 kA



V : High energy varistor network
G : Heavy duty gas Tube
Ft : Thermal fuse
C : Remote signaling contact
t° : Thermal disconnection system
MI : Disconnection indicator

- Type 1 + 2 + 3 Surge protector
- 25 kA on 10/350 μ s impulse
- Low voltage Up
- Internal disconnection, status indicator and remote signaling
- Optimized to TOV
- IEC 61643-11 and EN 61643-11 compliance
- UL 1449 ed. 4 recognition
- VDE approved

DS25x VG-xxx/G



Characteristics

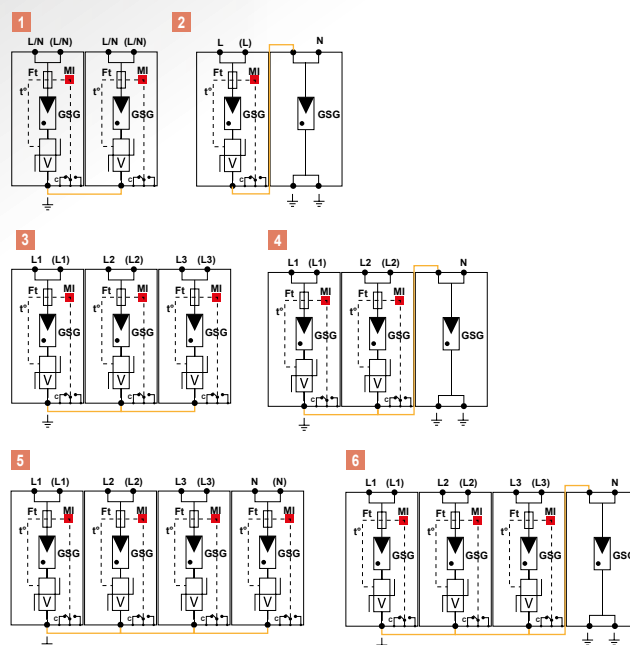
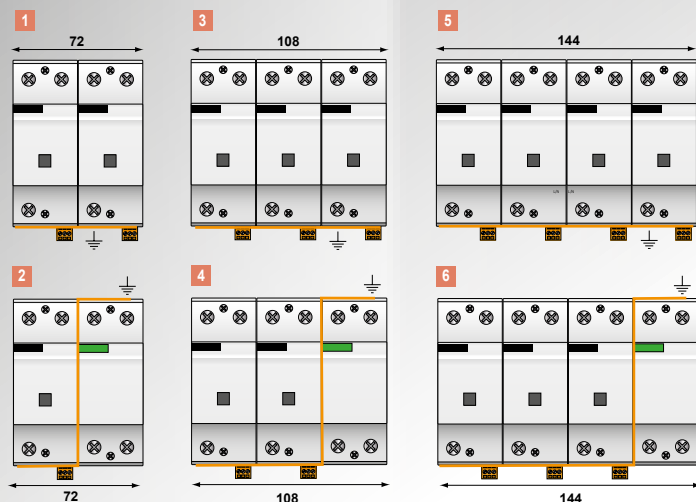
CITEL Model		DS250VG-400	DS250VG-300	DS250VG-120
Description		Type 1+2+3 AC surge protector one-pole		
Network		230/400 V	230/400 V	120/208V
Max. AC operating voltage	Uc	440 Vac	255 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	580 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT	770 Vac withstand	440 Vac withstand	230 Vac withstand
Residual current - <i>Leakage current at Uc</i>	Ipe	None	None	None
Max. Load current (if connection serie)	IL	100 A	100 A	100 A
Follow current	If	None	None	None
Nominal discharge current - <i>15 x 8/20 μs impulses</i>	In	30 kA	30 kA	30 kA
Max. discharge current - <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	70 kA	70 kA	70 kA
Impulse current by pole - <i>max. withstand 10/350μs</i>	I _{imp}	25 kA	25 kA	25 kA
Specific energy by pole	W/R	156 kJ/ohm	156 kJ/ohm	156 kJ/ohm
Withstand on Combination waveform - <i>Class III test</i>	Uoc	20 kV	20 kV	20 kV
Protection level @ In	Up-in	1.1 kV	1.1 kV	0.7 kV
Protection level	Up	1.5 kV	1.5 kV	1 kV
Admissible short-circuit current	I _{sc}	50000 A	50000 A	50000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		Fuses type gG - 315 A		
Installation ground fault breaker		Type "S" or delayed		
Mechanical characteristics				
Dimensions		see diagram		
Connection to Network		By screw terminals : 6-35 mm ² / by bus		
Disconnection indicator		1 mechanical indicator		
Remote signaling of disconnection		output on changeover contact		
Mounting		Symmetrical rail 35 mm (EN60715)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		Thermoplastic UL94-V0		
Standards compliance		IEC 61643-11 / EN 61643-11 / NF EN 61643-11 / UL1449 ed.4		
Certification		EAC	VDE / UL / CSA / EAC	EAC
Part number		2578	2577	2787



Type 1 + 2 + 3 Multipolar Surge Protector DS252VG, DS253VG, DS254VG



CITEL



V : High energy varistor network
G : Heavy duty gas Tube
Ft : Thermal fuse
C : Remote signaling contact
t° : Thermal disconnection system
MI : Disconnection indicator



DS253VG-300



Model	P/N	Network	AC system	Protection Mode	I _{total}	Up L/PE	Up L/N	Up N/PE	Diagram
DS254VG-300/G	2756	230/400 V 3-phase+N	TT-TNS	L/N and N/PE	100 kA	-	1.5 kV	1.5 kV	6
DS254VG-120/G	2757	120/208 V 3-phase+N	TT-TNS	L/N and N/PE	100 kA	-	1 kV	1.5 kV	
DS254VG-400	2581	230/400 V 3-phase+N	IT	L/PE and N/PE	100 kA	1.5 kV	-	1.5 kV	5
DS254VG-300	3713	230/400 V 3-phase+N	TNS	L/PE and N/PE	100 kA	1.5 kV	-	1.5 kV	
DS254VG-120	3722	120/208 V 3-phase+N	TNS	L/PE and N/PE	100 kA	1 kV	-	1 kV	4
DS253VG-120/G	-	120/208 V 2-phase+N	TNS	L/N and N/PE	75 kA	-	1 kV	1.5 kV	
DS253VG-400	2580	230/400 V 3-phase	IT	L/PE	75 kA	1.5 kV	-	-	3
DS253VG-300	3896	230/400 V 3-phase	TNC	L/PE	75 kA	1.5 kV	-	-	
DS253VG-120	3959	120/208 V 3-phase	TNC	L/PE	75 kA	1 kV	-	-	2
DS252VG-300/G	3403	230 V single phase	TT-TN	L/N and N/PE	50 kA	-	1.5 kV	1.5 kV	
DS252VG-120/G	3960	120 V single phase	TT-TN	L/N and N/PE	50 kA	-	1 kV	1.5 kV	1
DS252VG-400	2579	230 V single phase	IT	L/PE and N/PE	50 kA	1.5 kV	-	1.5 kV	
DS252VG-300	3469	230 V single phase	TN	L/PE and N/PE	50 kA	1.5 kV	-	1.5 kV	
DS252VG-120	3950	120 V single phase	TN	L/PE and N/PE	50 kA	1 kV	-	1 kV	