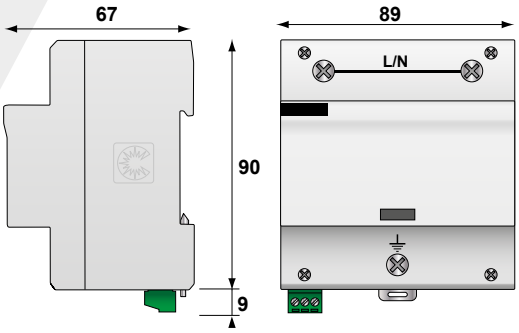
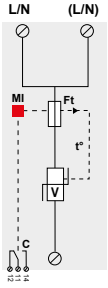
Iimp 50 kA

DS500E-400

DS500E SERIES

- Type 1 + 2 surge protector
- Iimp: 50 kA on 10/350 µs impulse
- Imax: 200 kA on 8/20 µs impulse
- Internal disconnection with indicator
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance





V: High energy varistor network
MI: Disconnection indicator
Ft: Thermal fuse
t°: Thermal disconnection system
C: Contact for remote signal

Characteristics

CITEL Model		DS500E-400	DS500E-320	DS500E-230
Description		Type 1+2 AC surge protector 1-pole		
Network		230/400 V	230/400 V	230/400 V
Max. AC operating voltage	Uc	440 Vac	320 Vac	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	580 Vac withstand	335 Vac withstand	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT	770 Vac disconnection	440 Vac disconnection	440 Vac disconnection
Residual current *Leakage current at Uc*	Ipe	< 3 mA	< 3 mA	< 3 mA
Max. Load current *(if connection serie)*	IL	100 A	100 A	100 A
Follow current	If	None	None	None
Nominal discharge current *15 x 8/20 µs impulses*	In	50 kA	50 kA	50 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	200 kA	200 kA	200 kA
Impulse current by pole *max. withstand 10/350µs*	Iimp	50 kA	50 kA	50 kA
Specific energy by pole	W/R	625 kJ/ohm	625 kJ/ohm	625 kJ/ohm
Protection level *@ In (8/20µs)*	Up	2.2 kV	1.8 kV	1.8 kV
Residual voltage *@ 5kA (8/20µs)*	Up-5kA	1.3 kV	0.9 kV	0.8 kV
Admissible short-circuit current	Isccr	50000 A	50000 A	50000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		Fuses Type gG - 500 A		
Installation ground fault breaker		Type «S» or delayed		
Mechnical characteristics				
Dimensions		see diagram		
Connection to Network		By screw terminals : 6-35 mm²		
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 V-0		
Standards				
Compliance		IEC 61643-11 / EN 61643-11		
Certification		EAC		
Part number				
		3964	63166	500230

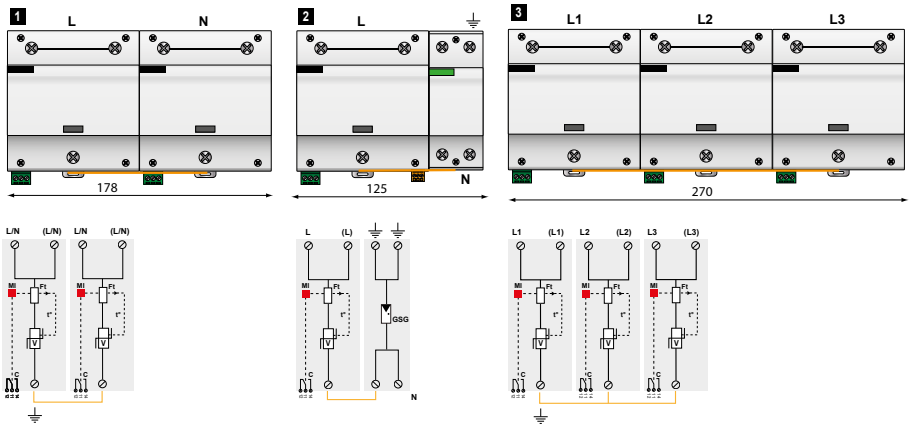
CITEL

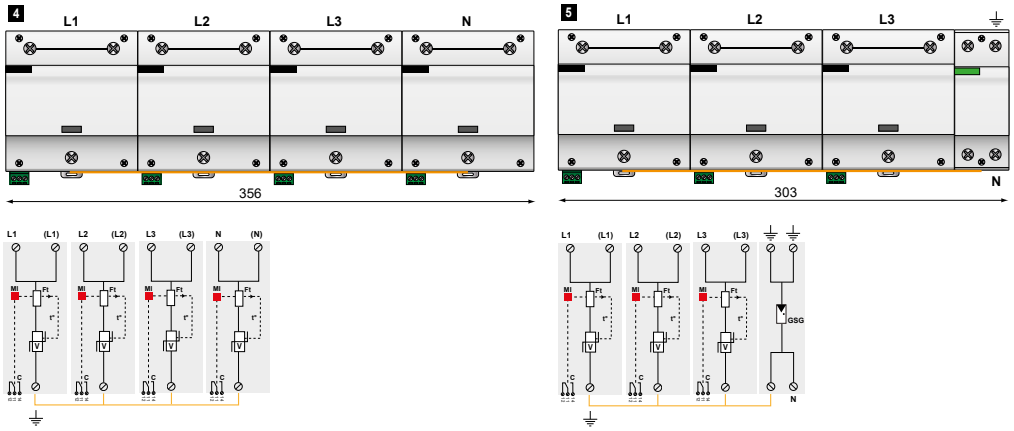
DS502E, DS503E, DS504E

DS502E-230/G

DS50x E-xxx/G

- « » = Configuration CT1 (common mode)
- «G» = Configuration CT2 (common and differential mode)
- Operating/nominal voltage
- «E» = «Multi-Varistor» technology
- Number of protected poles (2, 3 or 4)





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

Model	P/N	Network	AC system	Protection Mode	Itotal	Up L/PE	Up L/N	Up N/PE	Diagram
DS504E-320/G	64017	230/400 V 3-phase+N	TT-TNS	L/N et N/PE	100 kA	-	1.8 kV	1.5 kV	5
DS504E-230/G	5042301	230/400 V 3-phase+N	TT-TNS	L/N et N/PE	100 kA	-	1.8 kV	1.5 kV	
DS504E-400	64020	230/400 V 3-phase+N	IT	L/PE and N/PE	200 kA	2.2 kV	-	2.2 kV	4
DS504E-320	504320	230/400 V 3-phase+N	TNS	L/PE and N/PE	200 kA	1.8 kV	-	1.8 kV	
DS504E-230	64021	230/400 V 3-phase+N	TNS	L/PE and N/PE	200 kA	1.8 kV	-	1.8 kV	
DS503E-400	3965	230/400 V 3-phase	IT	L/PE	150 kA	2.2 kV	-	-	3
DS503E-320	64023	230/400 V 3-phase	TNC	L/PE	150 kA	1.8 kV	-	-	
DS503E-230	64024	230/400 V 3-phase	TNC	L/PE	150 kA	1.8 kV	-	-	
DS502E-320/G	64026	230 V single phase	TT-TN	L/N et N/PE	100 kA	-	1.8 kV	1.5 kV	2
DS502E-230/G	5022301	230 V single phase	TT-TN	L/N and N/PE	100 kA	-	1.8 kV	1.5 kV	
DS502E-400	64028	230 V single phase	IT	L/PE and N/PE	100 kA	2.2 kV	-	2.2 kV	1
DS502E-320	64029	230 V single phase	TN	L/PE et N/PE	100 kA	1.8 kV	-	1.8 kV	
DS502E-230	64030	230 V single phase	TN	L/PE and N/PE	100 kA	1.8 kV	-	1.8 kV	