



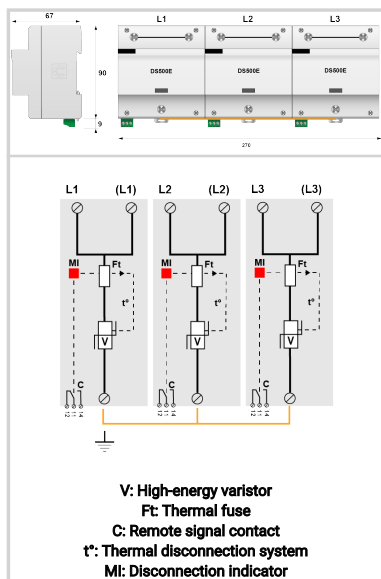
CITEL



Type 1+2 AC surge protector 3-phase

DS503E-320

- › Type 1 + 2 unipolar surge protector
- › Iimp total: 150 kA on 10/350µs impulse
- › I_{max} : 200 kA on 8/20µs impulse
- › Internal disconnections, status indicators
- › Remote signaling
- › IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	1+2
Network		230/400V
AC system		TNC
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	320 Vac
Max. load current		
if series connection	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
Follow current	If	None
Nominal discharge current	In	50 kA
15 x 8/20 µs impulses		
Max. discharge current		
max. withstand @ 8/20 µs by pole	I _{max}	200 kA
Impulse current by pole		
max. withstand 10/350µs by pole	I _{imp}	50 kA
Total lightning current		
max. total withstand @ 10/350µs	I _{total}	150 kA
Specific energy by pole		
max. withstand 10/350 µs	W/R	156 kJ/ohm
Connection mode(s)		L/PE
Protection mode(s)		Common mode
Protection level L/PE		
@ I _n (8/20µs)	Up L/PE	1.8 kV
Residual voltage L/PE at 5 kA		
@ 5 kA (8/20µs)	Up-5kA	1.2 kV
Admissible short-circuit current	I _{sc}	50 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase
Connection to Network		By screw terminals: 6-35mm ² / by bus
Format		1-pole modular box assembled
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG - 500 A

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		

Part number

64023

