



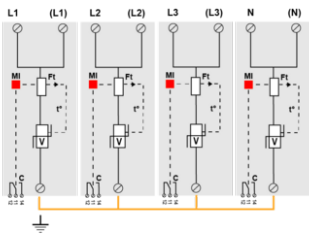
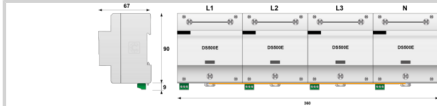
Type 1+2 AC surge protector - 3-phase+N

CITEL

DS504E-320



- ↳ Type 1 + 2 multipolar AC surge protector
- ↳ Iimp total : 200 kA (10/350µs impulse)
- ↳ Imax : 150 kA (8/20µs impulse)
- ↳ Internal disconnections, status indicator and remote signaling
- ↳ Conforme NF EN 61643-11, IEC 61643-11, UL1449 ed.5



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics

SPD type	1+2
Network	230/400 V 3-phase+N
AC system	TNS
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 15 x 8/20 µs impulses	In 50 kA
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} 200 kA
Specific energy by pole max. withstand 10/350 µs	W/R 156 kJ/ohm
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Protection level N/PE @ In (8/20µs)	Up N/PE 1.8 kV
Protection level L/PE @ In (8/20µs)	Up L/PE 1.8 kV
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA 1.2 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
Weight	2.68 kg

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

504320

