



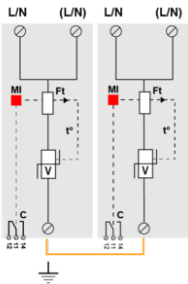
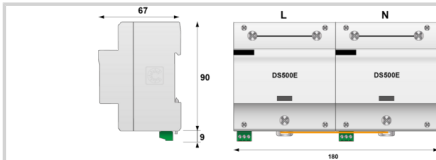
Type 1+2 AC surge protector single-phase

CITEL

DS502E-320



- ↳ Type 1 + 2 multipolar AC surge protector
- ↳ Iimp total : 100 kA (10/350µs impulse)
- ↳ Imax : 200 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 V single-phase
AC system	TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 320 Vac
Max. load current <i>if series connection</i>	IL 100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 440 Vac disconnection
Follow current	If None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In 50 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max} 200 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	I _{imp} 50 kA
Total lightning current <i>max. total withstand @ 10/350µs</i>	I _{total} 100 kA
Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R 156 kJ/ohm
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode/Differential mode
Protection level N/PE <i>@ In (8/20µs)</i>	Up N/PE 1.8 kV
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE 1.8 kV
Admissible short-circuit current	I _{sc} 50 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single 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	
64029	

