



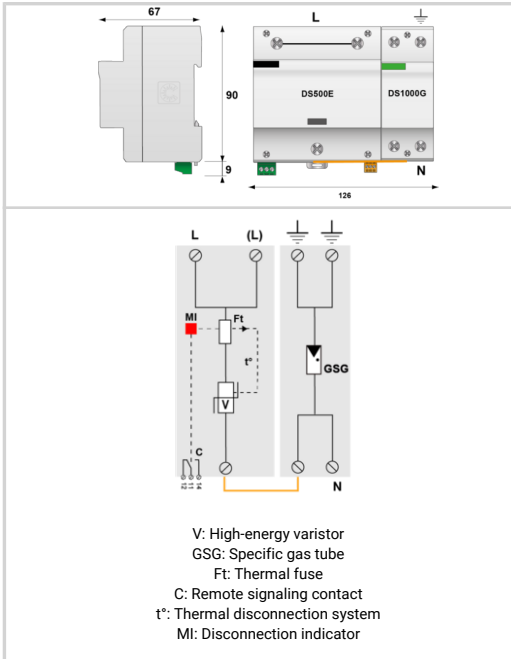
Type 1+2 AC surge protector single-phase

CITEL

DS502E-230/G



- ↳ Type 1 + 2 multipolar AC surge protector
- ↳ Iimp total : 100 kA (10/350µs impulse)
- ↳ I_{max} : 200 kA (8/20µs impulse)
- ↳ Internal disconnections, status indicator and remote signaling
- ↳ Conforme NF EN 61643-11, IEC 61643-11, UL1449 ed.5



Electrical Characteristics	
SPD type	1+2
Network	230 V single-phase
AC system	TT-TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 255 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
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand
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} 100 kA
Specific energy by pole max. withstand 10/350 µs	W/R 156 kJ/ohm
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Protection level L/N @ In (8/20µs)	Up L/N 1.8 kV
Protection level N/PE @ In (8/20µs)	Up N/PE 1.5 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
Weight	1.02 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	
5022301	

