

DS502E-230



- Type 1 + 2 multipolar AC surge protector
- Impulse 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

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	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
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	Imax	200 kA
Impulse current by pole max. withstand 10/350µs by pole	Imp	50 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	100 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/Differential 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
Admissible short-circuit current	Isccr	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	1.250 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	64030	

