



Type 1+2 AC surge protector

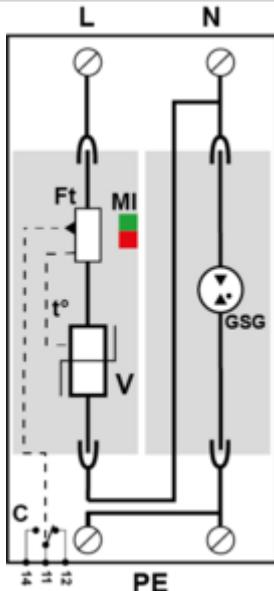
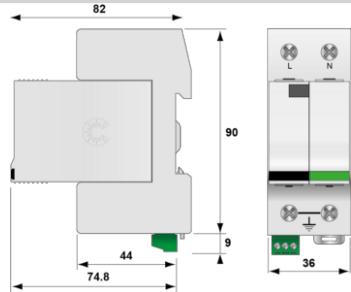
CITEL

DS132RS-120/G



- Type 1 + 2 AC multipolar surge protector
- In : 20 kA
- Imp total : 25 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance

Electrical Characteristics		
SPD type	1+2	
Network	120 V single-phase	
AC system	TT-TN	
Nominal line voltage	Un 120 Vac	
Max. AC operating voltage	Uc 150 Vac	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 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 μ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	50 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp}	12.5 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total}	25 kA
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole max. withstand 10/350 μ s	W/R	40 kJ/ohm
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Protection level L/N @ In (8/20 μ s)	Up L/N	0.9 kV
Protection level N/PE @ In (8/20 μ s)	Up N/PE	1.5 kV
Admissible short-circuit current	I _{scrr}	25 000 A
Mechanical Characteristics		
Technology	MOV	
SPD configuration	Single phase	
Connection to Network	By screw terminals: 2.5-25mm ² / by bus	
Format	Plug-in modular box	
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	
Spare module(s)	DSM130R-120 + DSM130R-120/G	
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 - 125 A	
Standards		
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		
Part number	571632	



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

