



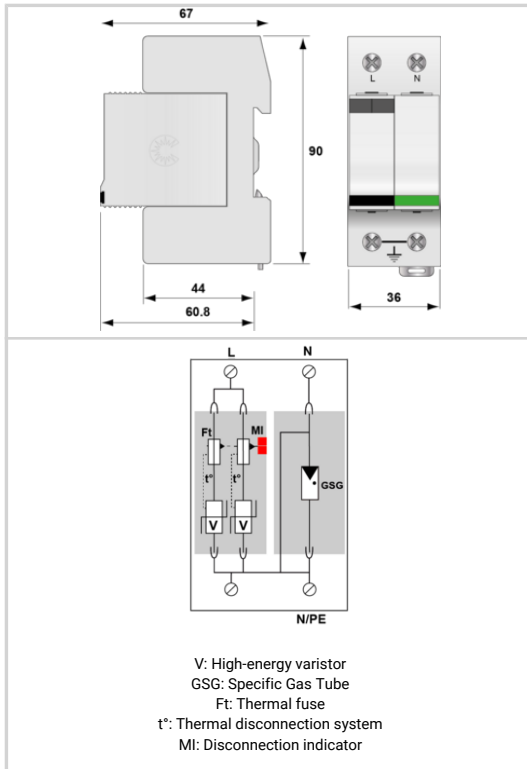
Type 2 AC surge protector - 3-phase

CITEL

DS72R-120/G



- ↳ Discover our latest innovation : the [DAC80-11-150](#)
- ↳ Re-inforced Type 2 AC surge protector
- ↳ I_n : 30 kA
- ↳ I_{max} : 70 kA
- ↳ Pluggable module by phase
- ↳ Remote signaling option
- ↳ IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	IEC	2
Network		120 V single-phase
AC system		TT
Nominal line voltage	U_n	120 Vac
Max. AC operating voltage	U_c	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
Residual Current	I_{pe}	None
Leakage current to Ground		
Follow current	I_f	None
Nominal discharge current 15 x 8/20 μ s impulses	I_n	30 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max}	70 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total	70 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	U_p -5kA	0.6 kV
Protection level L/N @ I_n (8/20 μ s)	U_p L/N	1 kV
Protection level N/PE @ I_n (8/20 μ s)	U_p N/PE	1.5 kV
Admissible short-circuit current	I_{sc}	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	T_u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		2 mechanical indicators by pole
Spare module(s)		DSM70R-120 + DSM70G-600
Remote signaling of disconnection		option DS72RS-120/G : output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		100 A min. - 125 A max. - Fuses type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		UL Recognized
Part number		
491611		

