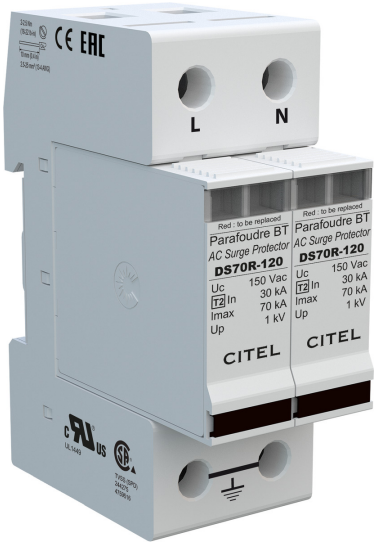
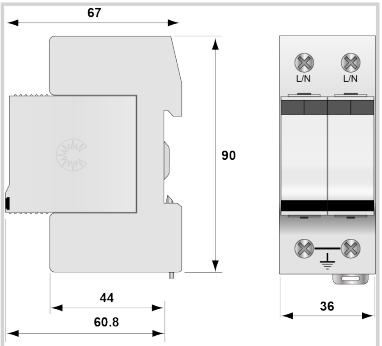
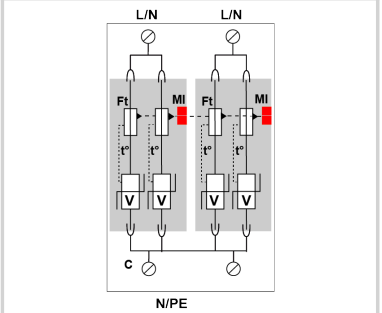
Type 2 AC surge protector - Single-phase

DS72R-120



- **Discover our latest innovation : the DAC80-20-150**
- Re-inforced Type 2 AC Multipolar surge protector
- In: 30 kA
- Imax total: 140 kA
- Pluggable module by phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 compliance
- UL1449 ed.5 approved





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	2
Network		120/208 V
AC system		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
Residual Current *Leakage current to Ground*	Ipe	< 2 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	30 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	70 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	140 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Protection level N/PE *@ In (8/20µs)*	Up N/PE	1 kV
Protection level L/PE *@ In (8/20µs)*	Up L/PE	1.8 kV
Protection level N/PE at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	0.6 kV
Residual voltage L/PE at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	0.6 kV
Admissible short-circuit current	Isccr	25 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm² / 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		2 mechanical indicators by pole
Spare module(s)		DSM70R-120
Remote signaling of disconnection		option DS72RS-120 : output on changeover contact
Dimensions		See diagram
Weight		0.242 kg
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		cRUus
Part number		
491601		

DS72R-120