



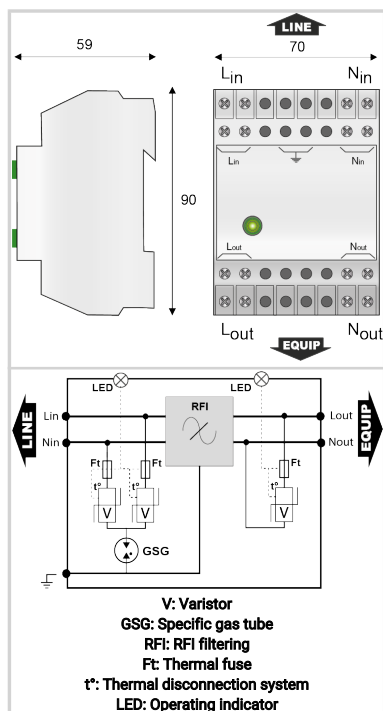
CITEL



Type 2+3 single-phase surge protector and filter - 120 V

DS-HF-120

- Surge protector with RFI filtering
- I_n : 3 kA
- I_{max} : 10 kA
- Common and Differential mode protection
- Low protection level
- Operating/disconnection indicators
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	2+3
Network		120/208 V
AC system		TT-TN
Nominal line voltage	U_n	120 Vac
Max. AC operating voltage	U_c	150 Vac
Max. load current @25°C	I_L	16 A
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	I_{pe}	< 1 mA
Follow current	I_f	None
Nominal discharge current 15 x 8/20 μ s impulses	I_n	3 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max}	10 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total	10 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	U_{oc}	10 kV
Withstand on overvoltages IEEE C62.41.1		10 kV
RFI Filtering		0.1 - 30 MHz
Connection mode(s)		L/N/PE
Protection mode(s)		Common/Differential mode
Protection level @ I_n (8/20 μ s)	U_p	0.6 kV / 0.5 kV
Admissible short-circuit current	I_{sc}	10 000 A

Mechanical Characteristics

SPD configuration		Single phase
Connection to Network		By screw terminals: 0.75-4mm ²
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		Signaling, Green led(s) OFF
Dimensions		See diagram
Weight		0.24 kg

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 20 A max. (if necessary)

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		

Part number

77948

