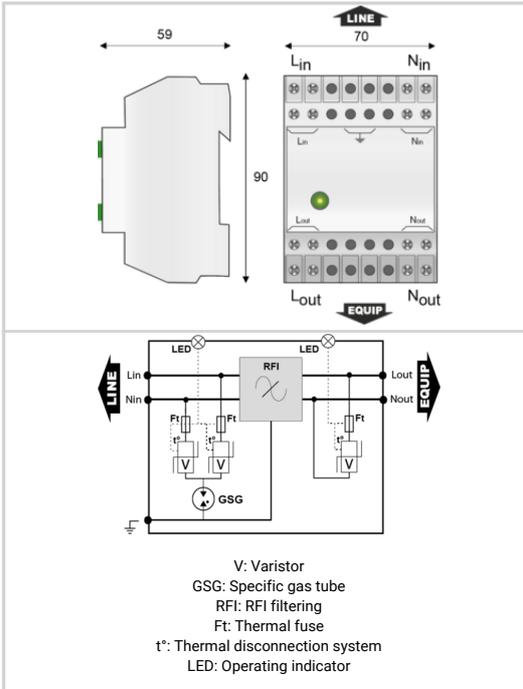


DS-HF-120



- Surge protector with RFI filtering
- In : 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	2+3
Network	120 V single-phase
AC system	TT-TN
Nominal line voltage	Un 120 Vac
Max. AC operating voltage	Uc 150 Vac
Max. load current	IL 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 μs impulses	I _n 3 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max} 10 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total 10 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	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 (8/20μs)	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
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	