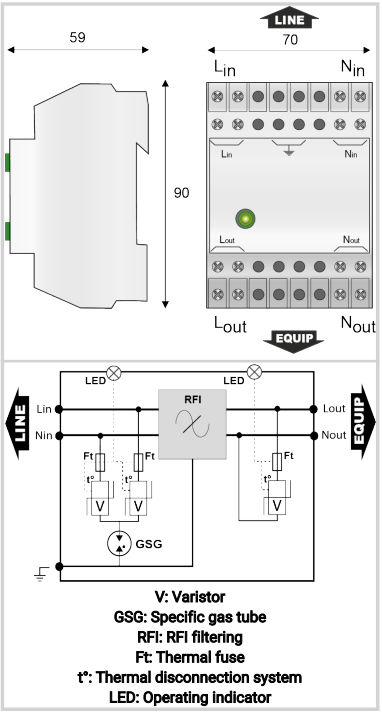
Type 2+3 single-phase surge protector and filter - 120 V

DS-HF-120



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



V: Varistor
GSG: Specific gas tube
RFI: RFI filtering
Ft: Thermal fuse
t°: Thermal disconnection system
LED: Operating indicator

Electrical Characteristics		
SPD type	IEC	2+3
Network		120/208 V
AC system		TT-TN
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Max. load current @25°C	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*	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	3 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	10 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	10 kA
Withstand on Combination waveform IEC 61643-11 *Class III test: 1.2/50µs - 8/20µs*	Uoc	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 *@ In (8/20µs)*	Up	0.6 kV / 0.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
SPD configuration		Single phase
Connection to Network		By screw terminals: 0.75-4mm²
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		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		