

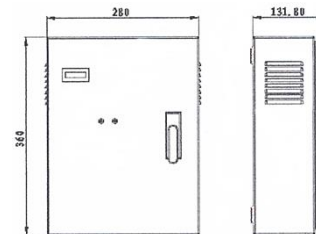
20 A/ 32 A/ 45 A Series Box type Surge power Filter

(Single Phase 20A/32A/45A, 50 kA Primary)

BSF120-1/xxx-xA-PN

Applications

- Secondary power circuit / Sub-boards
- Telecommunication System / Rectifiers
- Process and Control System / UPS <6 kVA
- Computer System / Medical Systems
- All sensitive Electronic Equipment



Type	BSF120-1/180-50A-PN			
	BSF120-1/320-50A-PN			
	BSF120-1/420-50A-PN			
	BSF120-1/550-50A-PN			
In accordance with	IEC61643-11:2011; UL 1449 3rd			
Category IEC/VDE/UL	I+II /B+C/ Type 1+2			
Rated load Current	50A/ 63A/ 100A/ 120A			
Power system (single phase)	120 V	220-277 V	347 V	480 V
Max. continuous operating voltage (AC/DC)	180/230	320/420	420/560	550/745
Connecting cable	Power 6-8 AWG (50A/63A) 2-3 AWG(100A/120A), Alarm 14-22 AWG,			
Protection modes	Two mode protection(Line-Neutral, Neutral-Earth)			
Nominal discharge current(8/20) In	60 kA			
Max. discharge current(8/20) I _{max}	120 kA			
Lightning impulse current (10/350) I _{imp}	Line-Neutral 12.5 kA, Neutral-Earth 25 kA			
Temporary overvoltage - TOV	240 VAC	415 VAC	600 VAC	690 VAC
Voltage protection level	@ In	< 0.8 kV	< 1.5 kV	< 2.0 kV
	@ VPR	< 0.6 kV	< 1.0 kV	< 1.4 kV
	N-PE@1.2/50	< 1.0 kV	< 1.5 kV	< 1.8 kV
Filter attenuation	>48 dB @ 1 kHz			
Number of ports	2 port			
Thermal dissipation	Max 80 W @ full load, 1 phase, 100A model			
Residual current	<5 mA			
Short circuit withstand (1 sec)	29 k A			
Response time	Line-neutral ≤ 25 ns; Neutral-Earth ≤ 100 ns			
External disconnecter requirements	HRC gL fuse, 500 V, 50 KAIC			
Thermal technology	With thermal disconnecter design MOV on primary MOVs			
Lightning counter current	≤ 3 kA			
Protect Status Indication	2 part display, Power OK, Protection fault/ dry contact alarm relay 250Vac/32Vdc, 5A			
Environment	-10 to 60°C, 0 to 90%RH (non-condensing)			
Termination size	Single-strand 35 mm ² ; multi-strand 25 mm ² (50/63A) Single-strand 50 mm ² ; multi-strand 35 mm ² (100/120A)			
Mounting	Wall mounting			
Degree of protection	IP20			
Dimension	360 mm (L) x 280 mm (W) x 125 mm (H)			
Weight	6 kg			