

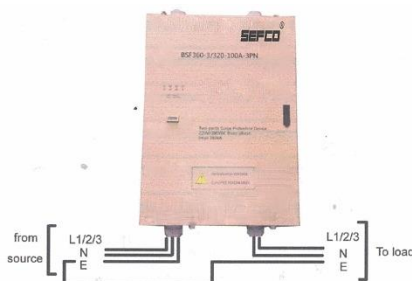
Series Box type Surge power Filter 50 A/ 100 A/ 120 A

(Three Phase 50A/100A/120A, 200 kA Primary)

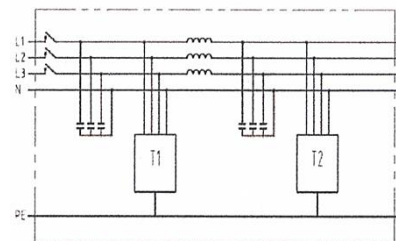
BSF200-3/xxx-xA-3PN

Applications

- Telecommunication System
- Medical equipment
- Industrial equipment
- Data centres
- Switch boards



Connection diagram



Basic circuit diagram

Type		BSF200-3/180-50A-3PN	BSF200-3/320-50A-3PN	BSF200-3/420-50A-3PN
		BSF200-3/180-63A-3PN	BSF200-3/320-63A-3PN	BSF200-3/420-63A-3PN
		BSF200-3/180-100A-3PN	BSF200-3/320-100A-3PN	BSF200-3/420-100A-3PN
		BSF200-3/180-120A-3PN	BSF200-3/320-120A-3PN	BSF200-3/420-120A-3PN
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 (three phase)		120 V	220-277 V	347 V
Max. continuous operating voltage (AC/DC)		180/230	320/420	420/560
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		100 kA		
Max. discharge current(8/20) Imax		200 kA		
Lightning impulse current (10/350) Iimp		Line-Neutral 60 kA, Neutral-Earth 100 kA		
Temporary overvoltage - TOV		240 VAC	415 VAC	600 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 240 W @ full load, 1 phase, 100A model		
Residual current		NO		
Short circuit withstand (1 sec)		50 k A		
Response time		≤ 100 ns		
Disconnecter inside		100 A, 600 V, 50 K AIC		
Protection technical		Triggered Spark Gap + MOV		
Lightning counter current		≤ 3 kA		
Protect Status Indication		4 LED display, Normal (Blue), Protection fault(off)/ dry contact alarm relay -250Vac/32Vdc, 5A		
Environment		-40 to 70°C, 0 to 90%RH, Altitude≤3km		
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		870 mm (L) x 630 mm (W) x 150 mm (H)		
Weight		34 kg		