

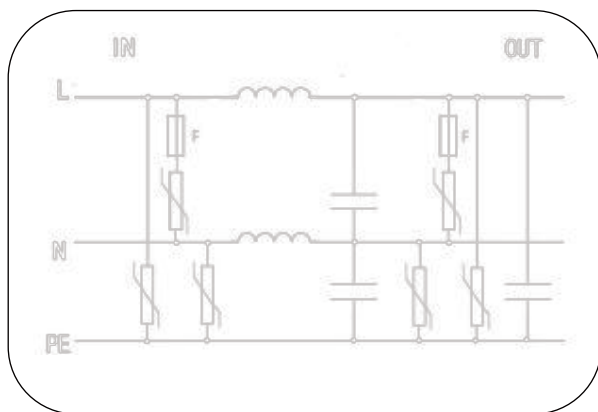
ESF50-1/xxx- 32A-3P



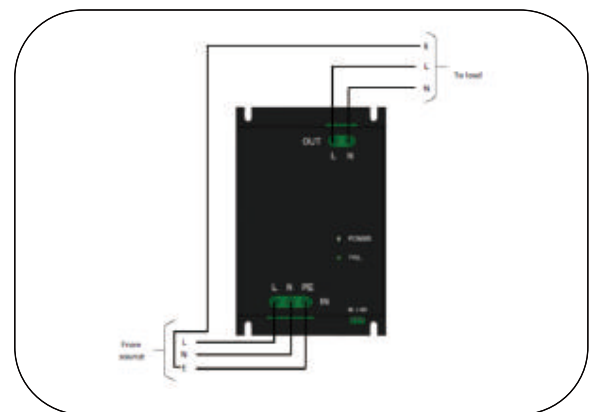
BSF... Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone OB-2 and higher. 32A Series Enclosure type Surge power Filter(Single Phase 32A, 50kA Primary)

Applications:

- Secondary power circuits/Sub-boards
- Computer Systems / Medical Systems
- Telecommunication Systems / Rectifiers
- All sensitive Electronic Equipment
- Process and Control Systems



Basic circuit diagram



Connection diagram



Type	EN-xxx/RJ45HS-8		
In accordance with	IEC61643-11:2011; UL1449 3rd; IEC610006; ANSI/IEEE C62.41; AS1768-1991;AS3100		
Category IEC/VDE/UL	II / C/ Type 4 CA		
Rated load Current	32A		
Power system	120V single phase	220-277V single phase	
Max. continuous operating voltage (AC/DC)	180/230	320/420	
Connecting cable	Power 8-10AWG , Alarm 14 -22AWG		
Number of ports	2 Port		
Protection modes	Three mode protection(Line-Neutral, Line-Earth, Neutral-Earth)		
Nominal discharge current(8/20) In	L-N 20kA, N-G 10kA, L-G 10kA		
Max. discharge current(8/20) I _{max}	L-N 50kA, N-G 25kA, L-G 25kA		
Temporary overvoltage - TOV	240VAC	400VAC	
Voltage protection level (L/N-G;L-N)	@In	<0.8kV	<1.5kV
	@VPR	<0.6kV	<1.0kV
Filter attenuation	≤3.0		
Residual current	<5 mA		
Short circuit withstand (1 sec)	80A		
Response time	≤25 ns		
External disconnecter requirements	32A gL/gG fuse or MCB		
Thermal technology	With thermal disconnecter design MOV (PTMOV) on primary MOVs		
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 35mm ² ; multi-strand 25mm ²		
Mounting	Fixed. Surface mount		
Location Category	Indoor		
Degree of protection	IP20		
Dimension	220mm (L) x 143mm (W) x48 mm (H)		
Weight	1.2kg		

Coding:

Type :ESF&&-x/***-##A-\$\$

ESF : Enclosure type Surge power Filter

&&: Max. surge current (Available from 25KA ~200KA)

X:1/3: power system (Single phase/three phase)

*** : Input voltage – Uc(180/320/420/550)

##: Current rating - continuous (5A/10A/16A/20A/32A/50A/63A/100A/ 120A...)

\$\$:3P/PN/3PN: protection mode(L-N,L-PE,N-PE 3MOV/L-N,N-PE 1MOV+1GDT/L-N,N-PE 3MOV+1GDT)