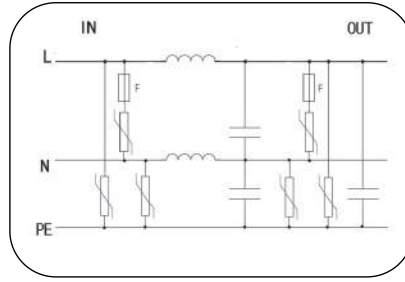
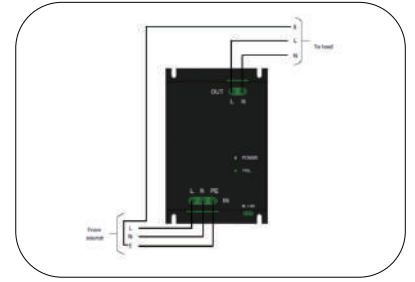


ESF50-1/xxx- 32A-3P



Basic circuit diagram



Connection diagram

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

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
	@VPR	<0.6kV
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)

Note: Subject to change without any notice.