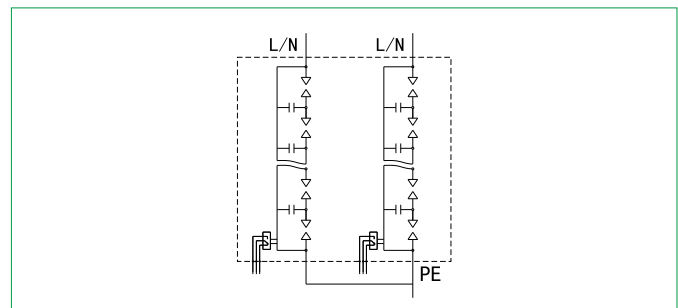
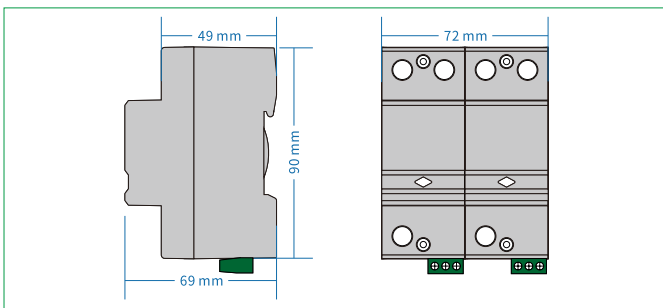


FV50B/2 -*** (S)



- ◆ Adopt unique designed seal construction with multilayer spark gap, no spark emission outside the housing.
- ◆ With working status indication window, and remote control contacts.
- ◆ Max.continuous operating voltage(Uc)150V~,255V~, 275V~,320V~,385V~ for your option.
- ◆ Mainly used in lightning protection zone (LPZ) 0 to 1, widely used in building entrance lines elevator, mineral, and so on.
- ◆ 1 phase, 2 poles.



Model No.	FV50B/2-150 (S)	FV50B/2-255 (S)	FV50B/2-275 (S)	FV50B/2-320 (S)	FV50B/2-385 (S)
Test class IEC/EN/VDE	Class I/B/ $\overline{\text{T1}}$				
Type of Network	TT, TN				
Protection Mode	L - PE, N - PE				
Nominal voltage 50(60)Hz U _n	110/220V~	220/380V~	220/380V~	220/380V~	220/380V~
Rated Voltage (Max. Cont. Operating Voltage) U _c	150V~	255V~	275V~	320V~	385V~
Impulse current (10/350 μ s) I _{imp}	50kA				
Nominal discharge current (8/20 μ s) I _n	50kA				
Voltage protective level U _p	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
Response time t _a	$\leq 100\text{ns}$				
Recommended back-up fuse	500A				
Isolation resistance	$> 10^2\text{M}\Omega$				
I/O Connections	L-N	Multi core wire: 10mm ² ~25mm ²			
	PE	Multi core wire: >16mm ²			
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)				
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m				
Degree of protection	IP20				
Housing material	UL94 V-0				
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)				
Remote control contact	Optional				

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	$U_{\text{max}} \leq 250\text{V}$	Single core wire	Max $\leq 1.5\text{mm}^2$
		$I_{\text{max}} \leq 0.5\text{A}$		
	DC	$U_{\text{max}} \leq 60\text{V}$	Multi core wire	Max $\leq 1.3\text{mm}^2$
		$I_{\text{max}} \leq 0.1\text{A}$		

Remark: if the model number is without "S", the model is without remote control contact function

Low-voltage Power System