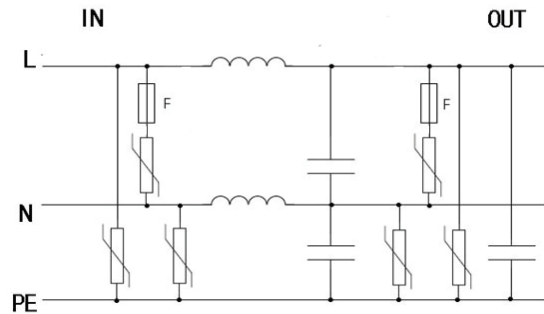


**Single Phase
25/16A**

**Class III SPD
DSF25/...-25A/3P/C-S**

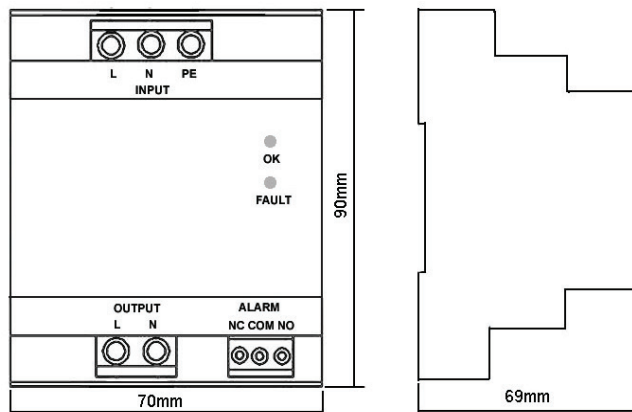


Basic circuit diagram

Features

- Multi-stage protection circuit with LC Filter design to protect sensitive electronics
- Provides extensive high frequency & RF filtering
- Application for 120~127V, 220~277V (L-N) TT/TN, or any 1-phase system with a grounded neutral
- Surge capacity 25kA 8/20 μ s
- Load current rating 25A, 16A is available
- Built in backup fuse for fault current protection
- All mode protection
- LED failure indication
- Remote alarm function available
- Easy installation on DIN rails

Dimension Drawing



Technical Data

Model			DSF25/175-25A/3P/C-S	DSF25/320-25A/3P/C-S
Compliance			IEC61643-11; UL 1449 4 th ; IEC61000-6; ANSI/IEEE C62.41; AS1768-1991; AS3100	
Category IEC/EN/UL			Class III / Type 3	
Ports/Protection Mode			All mode protection	
Protection Technology			MOV technology Thermal protection LC filter Built-in backup fuse	
Power System		U_n	120-127V single phase	220-277V single phase
Max. Continuous Operating Voltage (AC/DC)		U_c	175/230V	320/420V
Rated Load Current		I_L	25A	
Nominal Discharge Current (8/20 μ s)		I_n	L-N 10kA, N-E 3kA, L-E 3kA	
Max. Discharge Current (8/20 μ s)		I_{max}	L-N 25kA, N-E 6kA, L-E 6kA	
Voltage Impulse (1.2/50 μ s)		U_{oc}	10kV	
Total Surge Capacity Per Line (8/20 μ s)		I_{total}	31 kA	
Voltage Protection Level	L-N @6kV/3kA	VPR	<0.7kV	<1.0kV
	L-N @In	U_p	<0.8kV	<1.2kV
Residual Current		I_{PE}	<1mA	
Voltage Drop			< 2V at rated load current	
Temporary Overvoltage TOV —Withstand Mode		U_{tov}	195V/5s	370V/5s
Response Time		t_A	<5ns	
Filter Attenuation		dB	>45dB @ 1MHz	
Recommended External Over Current Protection In Series			25A Fuse or CB	
Protect Status Indication			2 part display, Power OK, Protection fault	
Remote Alarm			Dry contact alarm relay – 125Vac 1A; 30Vdc, 2A	
Connecting Cable			Power: single-strand 6mm ² ; multi-strand 4mm ² Remote: 1.5 mm ² (16 AWG)	
Environment			Temperature Range: - 10°C ~ +60°C Humidity: \leq 95% Altitude: \leq 2000m	
Mounting			35mm DIN-rail in accordance with EN 50022/DIN46277-3	
Location Category			Indoor	
Degree of Protection			IP20	
Dimension			90mm (L) x 70mm (W) x 69mm (H) approx	
Approvals, Certification			CE	

Other Models

Power System	Load Current	Model Recommended	Recommended External Over Current Protection In Series
Single phase 2W+G	16A	DSF25/...-16A/3P/C-S	16A CB/Fuse

LEC-A

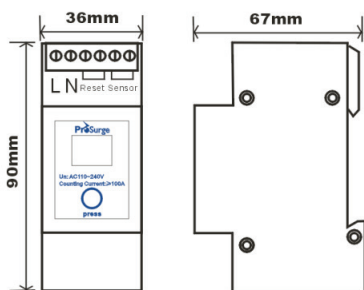


- Used for registering the lightning event
- Potential-free registration of discharge currents of surge protective device
- Sensitive response, trigger current from 100A
- Stable capability, strongly anti-jamming
- Din- rail design, easy to install and use
- Easy installation by enclosing the earth conductor of the arrester with an open toroidal core
- Voltage or current counting alternative is available
- 2 digit LCD display with setting and resetting buttons
- AC online charging to the battery



Model		LEC-A
Nominal Voltage	U_n	AC: 110~240V
Counting Current (rise time $\geq 8\mu s$)	I_t	$\geq 100A$
Sequence of Impulse		$< 1s$
Display Model		LCD
Indicator		Lightning Event 0~99
Reset		short-circuit tow terminals of "RESET"
Current Sample Mode		Inductive Probe
Working Mode		Battery service life > 3 month without AC power
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3
Screw Torque		0.2Nm
Enclosure Material		thermoplastic; extinguishing degree UL94 V-0
Degree of Protection		IP20
Dimension (mm)		150x80.5x36mm, 2 modules, DIN 43880
Operation Temperature		$-20^{\circ}C \sim +60^{\circ}C$

■ Dimension Drawing



■ Installation Diagram

