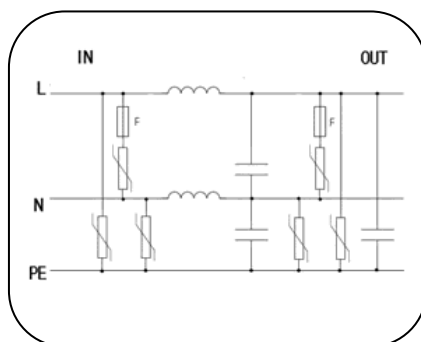
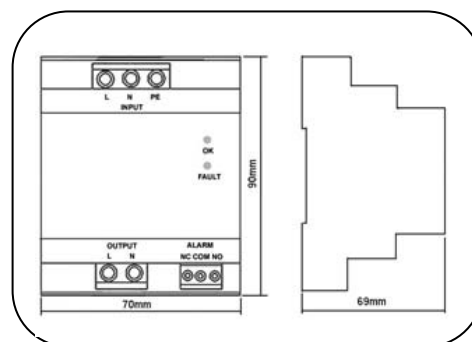


TYPE: D1-F10/xxx-5A/3P/C(-R)

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 2-3 and higher.



Basic circuit diagram



Dimension drawing

Type		D1-F10/xxx-5A/3P/C(-R)	
		175	
In accordance with		IEC61643-11:2011; UL1449 3 rd	
Category IEC/VDE		III / D	
Nominal Voltage Un		100-130V 1 § 2W	
Max. continuous operating voltage (AC)		175	
Current rating – Max.continuous		5A	
Protection modes		Line-Neutral, Line-Earth, Neutral-Earth	
Nominal discharge current(8/20) In/mode		5kA(L-N);3kA(L/N-PE)	
Max. discharge current(8/20) I _{max} /mode		10kA(L-N);6kA(L/N-PE)	
Max. discharge current(8/20) I _{max} /phase		20kA(L-N);12kA(L/N-PE)	
Voltage protection level(L-N)	@In	<0.8kV	
	@VPR	<0.7kV	
Temporary overvoltage - TOV		195VAC	
Filter attenuation		>45dB @ 1MHz	
Internal protection (fusing)		Thermal fusing on primary MOVs	
External disconnector requirements		10A HRC fuse or MCB	
Environment		-10 to 60°C, 0 to 90%RH (non-condensing)	
Cross-section of connection wire		Single-strand 6mm ² ; multi-strand 4mm ²	
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3	
Enclosure material		thermoplastic; extinguishing degree UL94 V-0	
Degree of protection		IP20;	
Installation width		4 modules, DIN 43880	
Alarms/indicators		2 part display, Power OK, Protection fault.	
Dimensions		90mm (L) x 70mm (W) x 69mm (H)	
Additional data for Remote Alarm Contacts			
Remote alarm contact type		Isolated Form C	
Switching capability		dry contact alarm relay – 125Vac1A;/30Vdc, 2A	
Max. Size of connecting wire		Max. 1.5mm ² (or # 16AWG)	