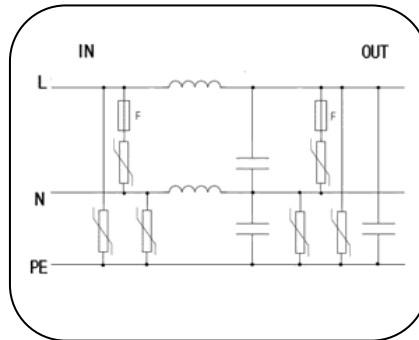
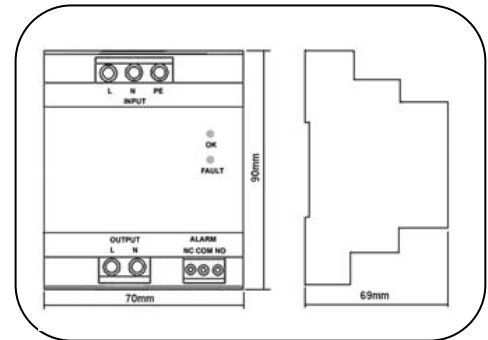


TYPE: D1-F10/xxx-5A/3P/C(-R)

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 ϕ 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)