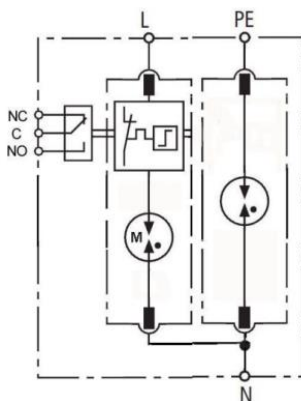
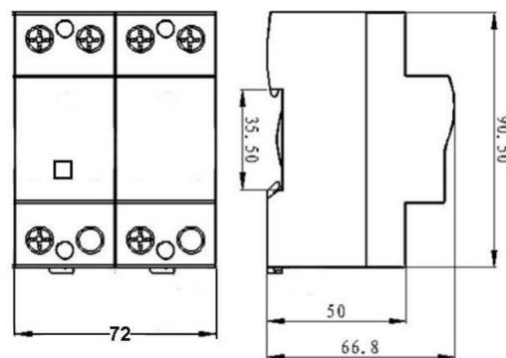




Basic circuit diagram



Dimension drawing

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B -2 and higher.

Type		S-G50-275-S/PN50
In accordance with		IEC61643-11:2011; UL1449 3rd
Category IEC/VDE		I+ II / B+C
Max. continuous operating voltage (V)	L-N (AC/DC)	275/350
	N-PE (AC)	255
Nominal discharge current (8/20us) In	L-N	50 kA
	N-PE	50 kA
Max. discharge current (8/20us) I _{max}	L-N	150 kA
	N-PE	150 kA
Lightning impulse current (10/350us) I _{imp}	L-N	50 kA
	N-PE	50 kA
Voltage protection level	L-N (1.2/50)	< 1.5 kV
	N-PE (1.2/50)	< 1.5 kV
Response time		≤100 ns
short-circuit current rating (I _{sc} cr) & follow current interrupt rating (I _{fi})	L-N	I _{sc} cr = 10kArms ; I _{fi} ≥ 10kArms@255Vac
	N-PE	I _{fi} = 100Arms @ 255Vac
Backup fuse(only required if not already provided in mains)		500A gL/gG
Operating temperature range		- 40°C ~ + 80°C
Cross-section of connection wire		Single-strand 35mm ² ; multi-strand 25mm 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
Thermal disconnect		Internal red - failure
Remote alarm contact		Optional
Approvals, Certifications		CE
Remote alarm contact type		Isolated Form C
Switching capability Un/In		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of connecting wire		Max. 1.5mm ² (or # 16AWG)