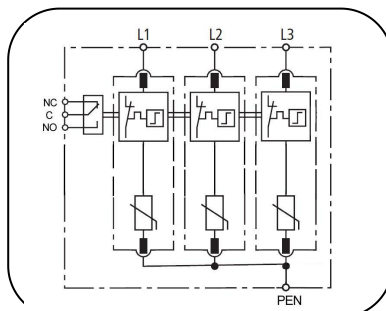


SURGE ARRESTERS – CLASS II

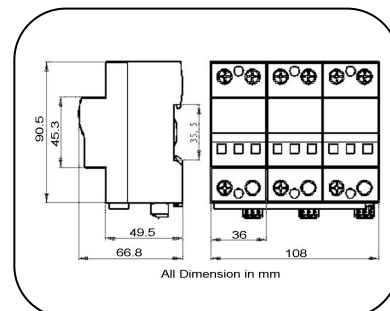
DT120/550-3V(-S)



CE



Basic circuit diagram



Dimension drawing

Surge arrester for **Wind Turbine Systems** protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Comply with IEC 61643-11, apply to TNC earthing system.
- Monobloc design, 3 poles, easy replaced without any tools.
- High Discharge Capacity with 8/20 us waveform, I_{max} 120kA
- Visual status indication and remote signal contact available.

Type		DT120/550-3V(-S)
In accordance with		IEC61643-11:2011; UL1449 3 rd
Category IEC/VDE		II/ C
Max. continuous operating voltage (AC/DC)		550 /745
Nominal discharge current(8/20) In		60kA
Max. discharge current(8/20) I _{max}		120kA
Voltage protection level	@In	<2.8kV
	@VPR	<2.0kV
Response time		≤25 ns
Follow current		No
Backup fuse(only required if not already provided in mains)		315A 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		6 modules, DIN 43880
Thermal disconnecter		Internal red - failure
Remote alarm contact		Optional
Approvals, Certifications		CE
Additional data for Remote Alarm Contacts		
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)