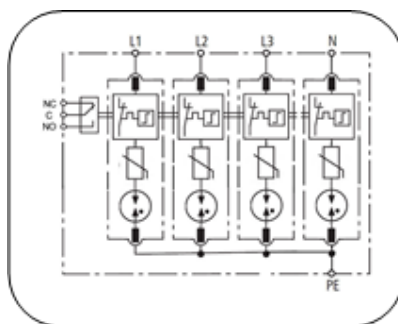
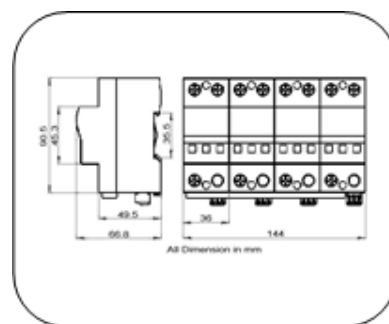




Basic circuit diagram



Dimension drawing

Type1+2+3 surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B -3 and higher. for use in TN-S systems 230/400 VAC 50-60Hz.

- T1+2+3 SPD with VT technology Spark gap series MOV eliminate leakage current & follow current.
- High lightning current discharge capacity up to 25kA
- Lower voltage protection level
- Better reliability and robustness & TOV (temporary over-voltage) withstand performance
- Degradation indication & optional remote signal contact
- Comply with IEC/EN 61643-11, UL 1449 4th, IEEE C62.41, CSA C22.2

Model		B25VT/275-S
Compliance		EN/IEC 61643-11
Category IEC/EN		Class I+II+III /T1+2+3
Max. Continuous Operating Voltage (AC)	U_c	275V
Technology		VT technology Thermal disconnector
Ports/Protection Mode		All / L-PE, L-N, N-PE
Lightning Impulse Current (10/350μs)	I_{imp}	25kA
Nominal Discharge Current (8/20μs)	I_n	25kA
Max. Impulse Current (8/20μs)	I_{max}	120kA
Voltage Protection Level	U_p	≤1.0kV
Voltage protection level	@VPR	≤0.6kV
Temporary Overvoltage TOV —Withstand Mode	U_{tov}	442V/120min
Residual Current	I_{PE}	No
Let-Through energy	I_f	No
Short-Circuit Current Rating per IEC 61643	I_{sc}	25kA
Response Time	t_A	≤100ns
Backup Fuse (only required if not already provided in mains)		315A gL/gG
Environment		Temperature Range: -40°C ~ +85°C; Humidity: ≤95%; Altitude: ≤2000m
Cross-Section of Connection Wire		Single-strand 35mm ² ; multi-strand 25mm ²
Mounting		35mm DIN-rail in accordance with EN 60715/DIN46277-3
Enclosure Material		thermoplastic; extinguishing degree UL94 V-0
Degree of Protection		IP20
Installation Width		2 modules, DIN 43880
Failure Indication /Status		RED- Failure
Remote Alarm Contact		Yes
Approvals, certification		CE
Additional Data for Remote Alarm Contacts		
Remote Alarm Contact Type		Isolated Form C
Switching Capability U_n/I_n		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)