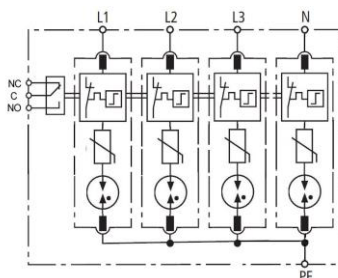
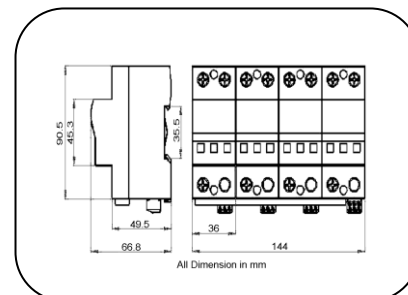


SURGE ARRESTERS – CLASS I+II

B25VT/275(-S)/4P



Basic circuit diagram



Dimension drawing

Type 1+2 surge arrester designed for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0_B -2 and higher.

- Accordance with IEEE C62.41, IEC61643-11:2012 and UL1449-4th, for use in TN-S systems
- Non-pluggable protection module to avoid flashover caused by high impulse current
- Hybrid spark gap series MOV technology with no follow on current
- All mode pole unit protection :L-N, L-PE, N-PE
- Fault indication by red indication flag in window
- Fast response with remote alarm terminal optional
- Metal module protection is optional

Part No. B25VT/275-S/4P	
In accordance with	IEEE C62.41, IEC61643-11:2012; UL 1449-4th
Nominal voltage (47-63Hz) ; U _n	230VAC (L-N)/400VAC (L-L)
Max. continuous operating voltage; U _c	440VAC (L-N)
Nominal discharge current (8/20μs) ;I _n	40kA
Max. discharge current (8/20μs); I _{max}	120kA
Lightning impulse current (10/350μs); I _{imp}	25kA
Voltage protection level ; (L-N) @I _n	<1.4kV
Response time ; (L-N)	<25ns
Lightning impulse sparkover @1.2/50μs (IEC61643-11)	<1.1kV
Temporary overvoltage (L-N) ;U _T	440V/120min withstand
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	One unit , DIN43880
Thermal disconnecter	Internal red - failure
Remote alarm contact	Yes
Backup fuse(only required if not already provided in mains)	315A gL/gG
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)