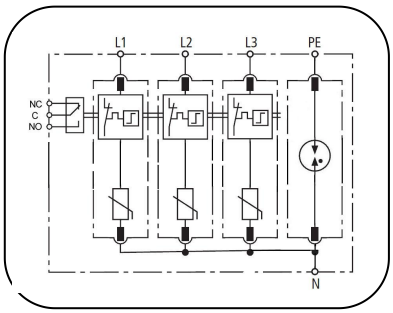
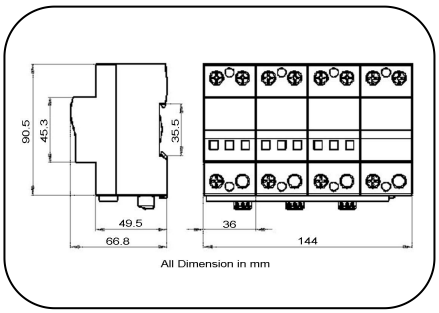
SURGE ARRESTERS – CLASS I+II

B12.5V/385(-S)/3PN50

CE



Basic circuit diagram



Dimension drawing

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

- Class I+II/B+C surge arrester in accordance with IEC61643-11, UL1449-4th, for use in TT and TN-S systems (“3+1” circuit)
- Non-pluggable protection module to avoid flashover caused by high impulse current
- High impulse current of 12.5kA10/350 L-N, 50kA10/350 N-PE
- Reliable supervision due to thermal disconnector.
- Fault indication by red indication flag in window.
- Fast response and with remote alarm terminal optional.

Part No.		B12.5V/385(-S)/3PN50
In accordance with		IEC61643-11:2011; UL1449-4th
Category IEC/VDE		I+ II / B+C
Max. continuous operating voltage V Uc	L-N(AC/DC)	385 /505
	N-PE(AC)	255
Nominal discharge current(8/20) In	L-N	12.5kA
	N-PE	50kA
Max. discharge current(8/20) Imax	L-N	80kA
	N-PE	150kA
Lightning impulse current(10/350) Iimp	L-N	12.5kA
	N-PE	50kA
Voltage protection level	L-N@In	<1.6kV
	L-N@VPR	<1.4kV
	N-PE(1.2/50)	<1.5kV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	L-N	No
	N-PE	Ifi: 100Arms @ 255Vac
Backup fuse(only required if not already provided in mains)		250A gL/gG
Operating temperature range		- 40°C ~ + 80°C
Cross-section of connection wire		Single-strand 35mm²; multi-strand 25mm²
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		8 modules, DIN 43880
Thermal disconnector		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. 1.5mm²(or # 16AWG)