



Features and benefits

- Built in DIN-rail foot for easy mounting
- Suitable any types of telephone and data lines
- 2-pair version
- Ultra-low in-line resistance 0.05Ω
- Strong, flame retardant housing
- Very high maximum current, 4A
- Repeated protection in lightning intense environment
- Full mode design capable of handling partial lightning currents
- IEC61643-21 compliance

Application

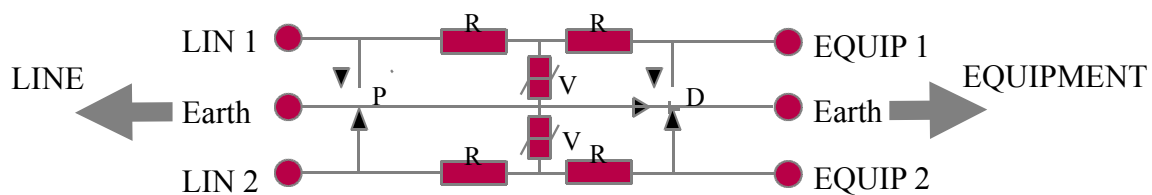
Suitable to protected the system that use higher running current such as system DC power line applications or systems very long signal lines.

Installation

Connect surge protector in series with the data communication or signal line or power line to protect the equipment or system.



Electrical diagrams



Legend: D : Diode; P : GDT; R : Resistor; V : Varistor



Technical Specification

Electrical Specification	VSAR 06A	VSAR 15A	VSAR 30A	VSAR 48A	VSAR 110A	VSAR 240AC
Nominal Voltage	6V	15 V	30 V	48 V	110 V	240VAC
Maximum working voltage U _C	7.2 V	18 V	36 V	58 V	132 V	280VAC
Current rating				4 A	10A	
In line resistance (perline ±10%)				0.05 Ω	0.01 Ω	
Bandwidth (-3dB 50Ω system)	160 KHz	140 KHz	130 KHz	120 KHz	120 KHz	120KHz

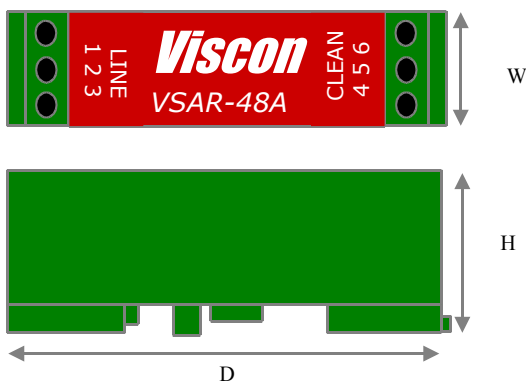
Transient Specification

Let-through voltage (all conductor) up	VSAR 06A	VSAR 15A	VSAR 30A	VSAR 48A	VSAR 110A	VSAR 240AC
C2 test 4kV 1.2/50µs, 2KA 8/50µs to BS EN/EN/IEC 61643-21	12.0 V	27.5 V	46.0 V	67.0 V	150 V	270VAC
C1 test 1kV 1.2/50µs, 0.5KA 8/50µs to BS EN/EN/IEC 61643-21	11.0 V	26.5 V	45.0 V	66.5 V	145 V	260VAC
B2 test 4kV 10/700µs to BS EN/EN/IEC 61643-21	10.5 V	25.5 V	43.5 V	65.0 V	140 V	250VAC
5kV, 10/700µs	10.8 V	26.2 V	44.3 V	65.8 V	145 V	255VAC

Maximum surge current

D1 test 10/350µs to BS EN/EN/IEC 61643-21	-per signal wire	2.5 kA	
	-per pair	5.0 kA	
8/20µs to TTU-T 45: 2003	-per signal wire	10 kA	20kA
IEEE C62.41 2:2002	-per pair	20 kA	40kA

Mechanical specification	VSAR 06A	VSAR 15A	VSAR 30A	VSAR 48A	VSAR 110A	VSAR 240AC
Temperature range	-40 to +80°C					
Connection type	Screw terminal					
Conductor size (stranded)	2.5mm ²					
Earth connection	Screw terminal					
Case material	ABS UL94 V-0					
Weight per unit	0.06kg					
Dimensions (HxWxD) mm				45x18x75	53x22x75	



Authorised Partner: