

Compulogic CB-4 Surge Arrester

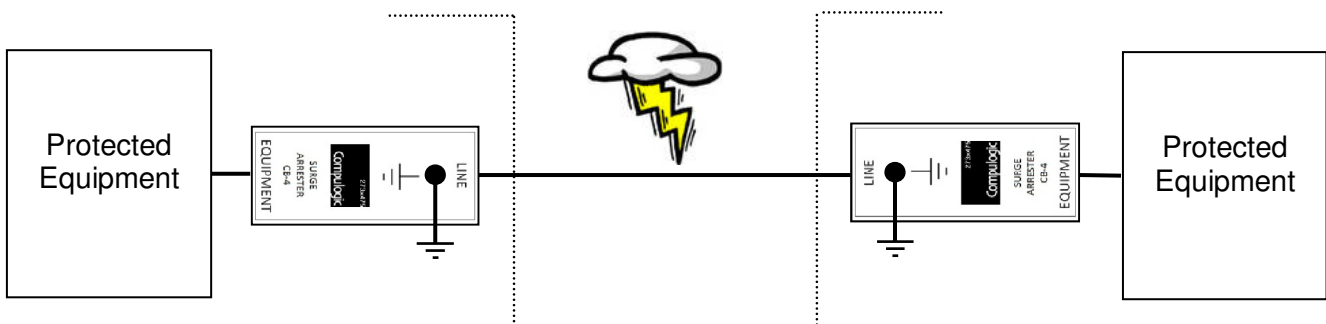
Lightning Surge Protection Device for Data Communications Equipment

The **Compulogic CB-4** lightning surge arrester is designed to protect data communications equipment installed in locations where there is a high risk of equipment damage due to lightning induced surges.



The **Compulogic CB-4** provides protection for up to 4 data circuits or 2 x twisted pair signals and is typically installed in series with the data signal lines at a point close to where the cable enters the building or enclosure. Combining both ultra-fast transient suppression semiconductors and ultra high current gas discharge technology the unit offers a high degree of protection from high voltage and high current surges induced into the external cables by nearby lightning strikes.

- Provides repeated protection in lightning intense environments
- Self resetting design
- Low let-through voltage between all lines
- Low in-line resistance
- 35mm DIN rail or bulkhead mounting
- 4 signal wires protected (2 x twisted pair)
- Screen terminal
- Substantial earth stud enables effective earthing



Typical Installation

Specifications

Electrical Specification

Maximum Signal Voltage	6V, 10V, 13.5V, 25V, 53V	Versions Available
Maximum Signal Current	100mA	
In-Line Resistance	10 Ω	
Maximum Leakage	6V 1mA 10V 10 μ A 13V 5 μ A 25V 5 μ A 53V 5 μ A	
Signal Bandwidth	800Khz	

Transient Protection

Maximum let-through voltage	for 5000V, 8/20 μ S pulse
	6V 9.2V 10V 15.4V 13V 19.9V 25V 39.4V 53V 77.4V
Transient Response Time	< 1pS
Maximum Surge Current	10,000A

Mechanical

Connection Type	Plug-in screw terminal
Max wire size	1mm ²
Earth Connection	6mm Stud
Dimensions	85mm x 34mm x 20mm
Mounting	35mm DIN Rail or wall bracket

Environmental

Operating Temperature	-20 - +70 $^{\circ}$ C
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Ordering Information

Voltage	Part Number
6V	PP9029-V02-6
10V	PP9029-V02-10
13.5V	PP9025-V02-13
25V	PP9029-V02-25
53V	PP9029-V02-53



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