



# 4 way dual channel Surge Protection Board

4 dual channel input/output surge protection terminal board

Model Number  
**C6335B**

## DATASHEET

- 4 surge protected input/output pairs
- Surge diverted to earth
- All I/O lines individually fused
- DIN-Rail mounted
- Compact Size



### Overview

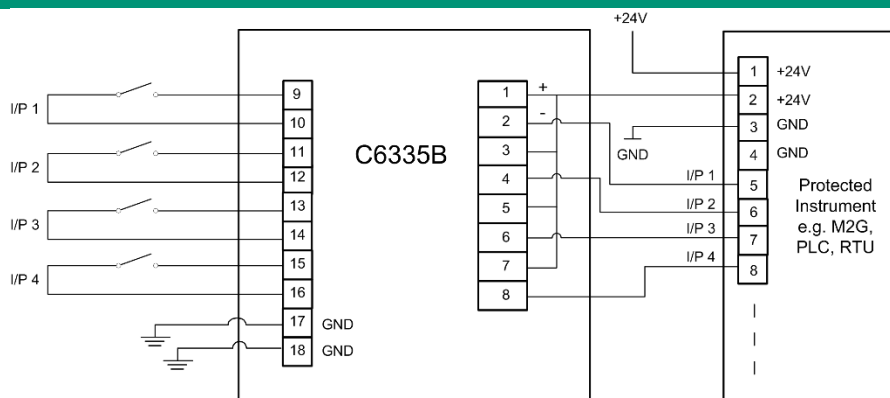
The C6335B Surge Protection board is a terminal board designed for Surge Protection of the field wiring leading to or from sensitive equipment that needs to be protected e.g. from lightning-induced surges.

The input/output circuit pairs are isolated from each other and

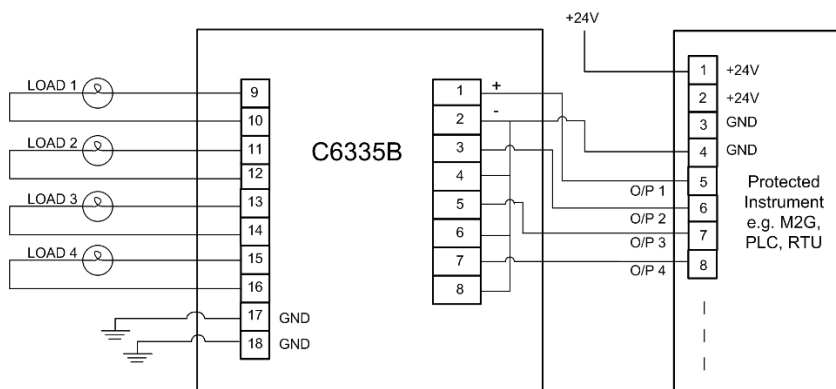
fuse/MOV/gas arrestor combinations are used to protect connected equipment. Terminals for the connection of protective earth are provided.

The C6335B board is fitted onto a quick mount plastic rail for DIN-rail mounting in control panels.

## Application Examples



Example 1 : Input Protection using C6335B



Example 2 : Output Protection using C6335B



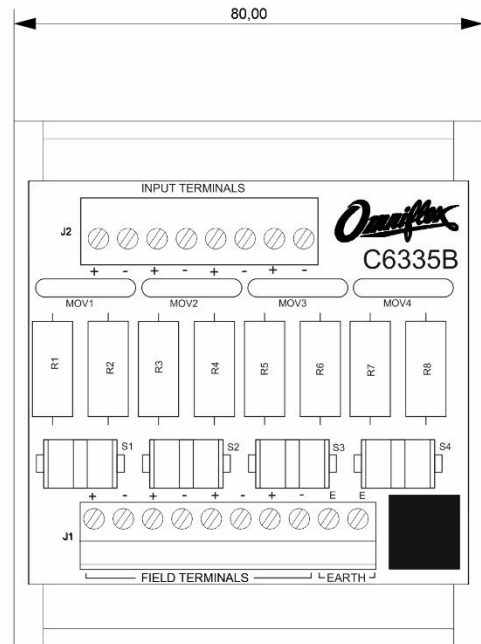
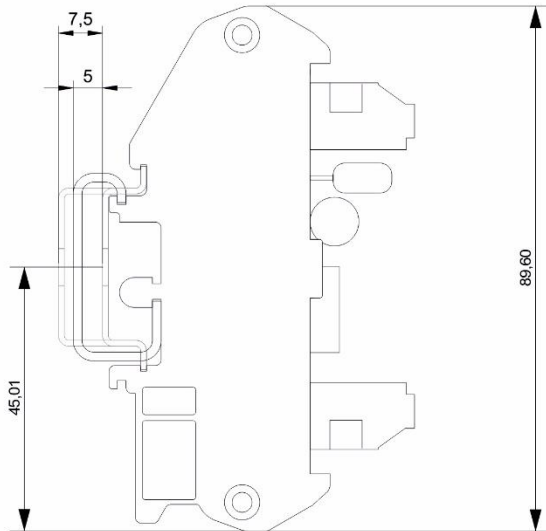


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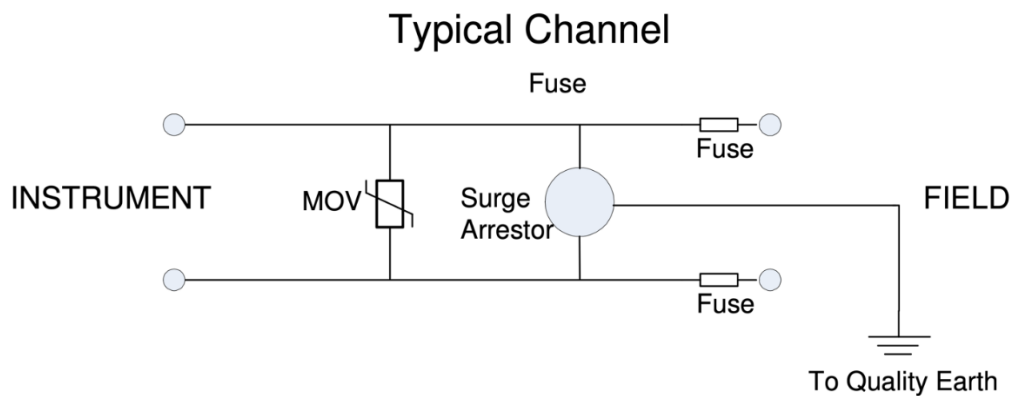
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## Mechanical Details



(Dimensions in mm)

## Functional Block Diagram





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## Specifications

### Inputs/Outputs

Quantity and Type	4 input / output pairs
Maximum Voltage	28Vdc / 20Vac
Voltage to Earth	90Vdc maximum
Maximum Current	8A
Input Impedance	>50MΩ
Terminal Wire Size	2.5mm <sup>2</sup> / 12 AWG max.

### Environment

Operating Temp.	-10° C – 60° C (+14° F – 140° F)
Relative Humidity	5 to 95%
Storage Temp.	-25° C – 85° C (-13° F – 185° F)

### Mechanical

Width	78mm (3.071")
Height	90mm (3.543")
Depth	61mm (2.402")

### Weight

Unpacked	200g approx. (7.055oz)
Packed	280g approx. (10.582oz)

### Compliance to Standards

Safety	UL60950-1, EN60950-1
Emissions	EN 55011:2011 Benign Apparatus
Surge Immunity	IEC 61000-4-5:1995 Level 4 (4kV)
Vibration	IEC 60068-2-6: 10-15Hz 1g

### Ordering Information

ORDER CODE	DESCRIPTION
C6335B	4 way dual channel surge board

