



4 Way Surge Protection Board

Model C6335A 4 Way Surge Protection Terminal Board

DATASHEET

FEATURES

- 4 surge-protected input/output pairs
- Surge diversion to earth
- All I/O lines individually fused
- Din-Rail Mounting
- Compact Size

The C6335A 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 C6335A board is fitted onto a quick mount plastic rail for DIN-rail mounting in control panels.

SPECIFICATIONS

Inputs / Outputs

Quantity & Type	4 input / output pairs
Maximum Voltage	28 Vdc / 20 Vac
Voltage to Earth	90Vdc maximum
Maximum Current	8A
Input Impedance	> 50 MOhm
Wire Size	2.5mm ² / 12AWG (max)

Temperature Range

Operating Temperature	0°C – 60°C (+32F – 140F)
Storage Temperature	-10°C – 70°C (+14F – 158F)

Protection

Fuse Rating	10A
Fuse Interrupt Capacity	300A @ 125Vdc

Fuse I ² t rating	25.5A ² s
Fast Acting MOV	4.4J / 0.5kA
Surge Arrestor (to Earth)	90V / 10kA
Arrestor Sparkover at 1kV/us	< 400V

Mechanical Details

Weight	200g
--------	------

Compliance with Standards

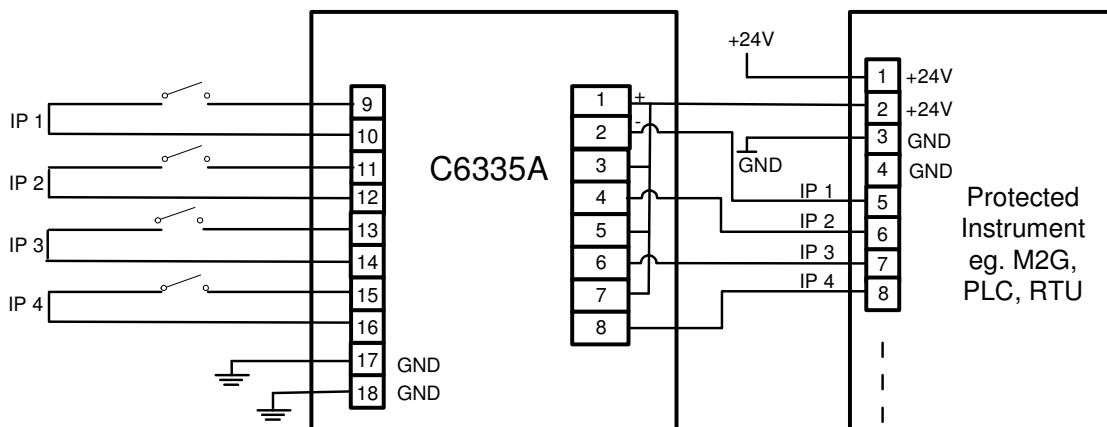
Emissions	EN55011: benign apparatus
Immunity– Fast Transients	IEC 61000-4-4:2004, 2kV
Surge Immunity	IEC 61000-4-5:1995, Level 4
Vibration	IEC 60068-2-6 : 10-150Hz. 1g



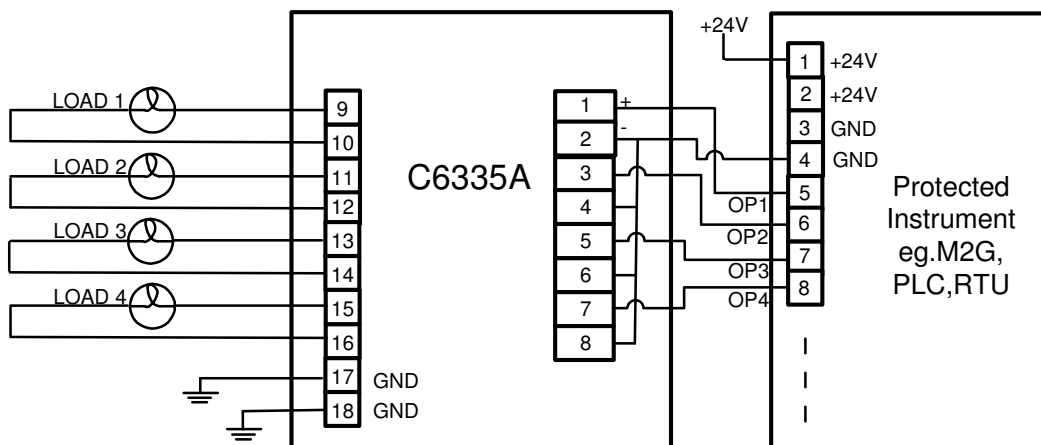
4 Way Surge Protection Board

Model C6335A 4 Way Surge Protection Terminal Board

Application Examples



Example 1 : Input Protection using C6335A



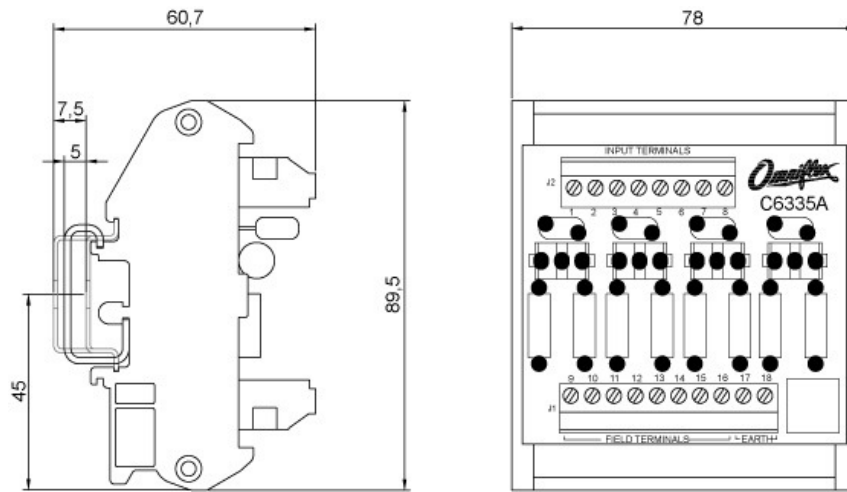
Example 2 : Output Protection using C6335A



4 Way Surge Protection Board

Model C6335A 4 Way Surge Protection Terminal Board

Mechanical Dimensions



Functional Block Diagram

Typical Channel

