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ZONE BARRIER SERIES

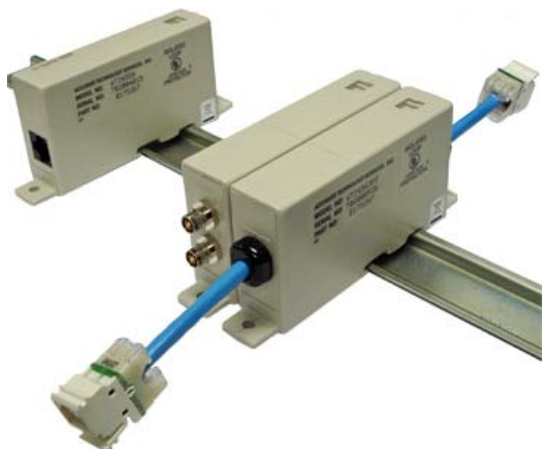
Part #AT90663



The effective barrier between surges and sensitive I/O ports.

- Application:** The AT90663 protects high speed digital interfaces from transients caused by direct or indirect lightning. Used between the smartjack and the equipment, T-1/E1.
- Installation:** The Zone Barrier series can be mounted on any standard 35mm DIN rail, or any flat surface. Ground wire is required for surface mounted applications and will be included with purchase.
- Technology:** Silicon Avalanche Diodes, Sidactors and a gas tube, are combined with current limiting components to form three distinct stages of protection.
- Approval:** UL497A listed, tested to IEC801-5, CCITT K17

SPECIFICATIONS



Circuit Type: 3 Stage Series Hybrid
Lines Protected: 4 + Shield
Connectors: 5 Pos. Cage-Clamp Terminal Strip
Surge Capacity: 10,000A 8/20 μ s impulse per line
10,000A 8/20 μ s shield to ground
Let-through Voltage: 19V @ 5kV (10/700 μ s) CCITT K17
Clamp Voltage: 20V @ 2kA, 8/20 μ s
Normal Working Voltage: 12V
Max. Working Voltage: 16V
Max. Leakage Current: 5 μ A @ rated Voltage
Max Inline Resistance: 4.3 Ohms
Case Dimensions: 5.1" x 2.3" x 1.0" overall
Attenuation: -0.207dB @ 1.54MHz
-0.223dB @ 2.48MHz
Band Width: -3dB @ 50MHz in 50 Ohm system
Tested per: ANSI/IEEE C62.45, IEC 61000-4-5 (IEC 801-5),
CCITT K17

Clamping Voltage measured between a pair during the common mode application of 2kV (1.2-50 μ s) 1kA (8/20 μ s) waveform