



Accurate Technology Services, Inc.  
829 Gretel Ave, Concord, NC 28027  
1-877-SRG-SRVC(774-7782)  
ph: 1-704-784-8287 fax: 1-704-784-8290  
www.atssurge.com sales@atssurge.com

## ZONE BARRIER SERIES

Part #AT24563

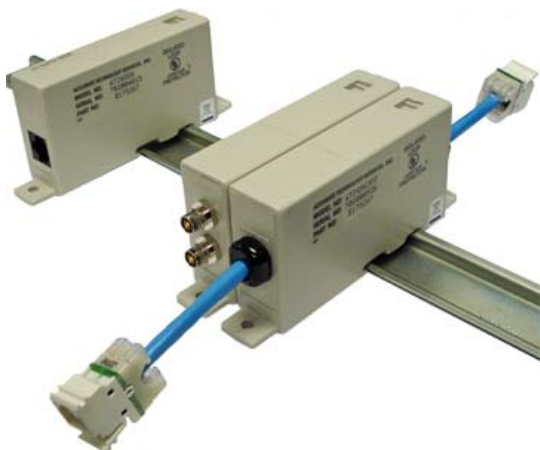
The effective barrier between surges and sensitive I/O ports.



- Application:** The AT24563 protects 1,000BaseT, 100BaseT, 100VG, 10BaseT and Token Ring interfaces from transients caused by direct or indirect lightning and other electrical surges.
- 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:** Solid state sidactors are combined with fast acting fuses and resistors 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: Eight (8) per port  
Connectors: RJ45 (Pins 1 - 8)  
Surge Capacity: 1kA per wire  
Clamp Voltage: 10V  
Rated Voltage: 2kV/1kA per wire (IEC 801-5)  
Max. Frequency: 350MHz per pair  
Attenuation: Better than -0.3dB at 350MHz  
N.E.X.T.: Worst pair, better than -38dB at 250MHz  
Return Loss: Better than -10dB at 250 MHz



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