ACT 422-XXX-200 Series Protector
Telephone, Data, Control Line and Alarm Protectors

With the increases in the sensitivity of commercial and residential electronic equipment, the ACT 422 200 Series DIN rail protector is perfect for preventing lightning and noise transient surges from entering into your building through the telephone or alarm cables damaging your sensitive IT equipment like computers, industrial controls, faxes and telephone equipment.

The ACT 422 200 Series is a series connected protector with screw terminals on both Line and Equipment side of the protector. is designed with a hybrid multi-stage design that the first stage gas tube robustly protects against heavy lightning surges, while the second stage Diodes insures that only a minimal let-through voltage is passed on to your electronic equipment.

The ACT 422 is an “All Mode” telecom / datacom protector that protects all lines modes of the connector for Tip to Ground, Ring to Ground and Tip to Ring.

FEATURES AND BENEFITS

- Robust Design – 10kA (8x20µSec)
- Uses dual Hybrid Protection design
- Transient Silicon Diode Technology
- Fast Response Time < 1 nSec
- Extremely low let through voltages
- Absorbs and Dissipates surges within the unit
- All Mode Protection (T-R, T-G, R-G)
- 1 Year Standard Warranty

STANDARDS MET

- UL 497A — ANSI/IEEE C62
- 3rd Party Tested

TECHNICAL INFORMATION

ACT 422-XXX-201 Single pair protector with screw terminal post at both Line and Equipment side. DIN Rail Mounting
ACT 422-XXX-202 Dual pair protectors with screw terminal post at both Line and Equipment side. DIN Rail Mounting
ACT 422-XXX-203 Three pair protectors with screw terminal post at both Line and Equipment side. DIN Rail Mounting
ACT 422-XXX-204 Four pair protectors with screw terminal post at both Line and Equipment side. DIN Rail Mounting
ACT 422-XXX-206 Six pair protectors with screw terminal post at both Line and Equipment side. DIN Rail Mounting

Where XXX = 005, 024, 048, 110, 180 Volts DC

RECOMMENDED LOCATION

- Residential & Commercial Telephone
- Alarm Lines
- Datacom and Control Lines
ACT 422-XXX-200 Series Protector

**MECHANICAL SPECIFICATIONS**

Dimensions: 90 mm x 18 mm x 62 mm  
Weight: 150g

**ELECTRICAL SPECIFICATIONS**

Max Current (8x20us) 10kA  
Transfer Speed 10 Mbps  
dB Loss <0.5  
Connector Type Screw Terminals

<table>
<thead>
<tr>
<th>Operating Voltage</th>
<th>Nominal Breakdown</th>
<th>Clamp Voltage (8x20 us, 3,000 amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>05V</td>
<td>&lt;15V</td>
<td>70V</td>
</tr>
<tr>
<td>24V</td>
<td>&lt;40V</td>
<td>90V</td>
</tr>
<tr>
<td>48V</td>
<td>&lt;150</td>
<td>300V</td>
</tr>
<tr>
<td>110</td>
<td>&lt;300V</td>
<td>350V</td>
</tr>
<tr>
<td>180V</td>
<td>&lt;300V</td>
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