Three-Electrode Maximum Duty Gas Tube Surge Arrester

CPE/Premise Wiring
DOT
Headend/CO
MDU
Utility/Municipality
Wireless

The 317 is an encapsulated module containing Tii’s Maximum Duty three-electrode gas tube surge arrester, engineered to protect equipment from lightning and induced surges.

KEY PRODUCT BENEFITS

- Ideal for use in control circuits or other specialized communications services using open wire, above ground cable, or buried cable
- Also recommended for use on AC circuits in conjunction with line fuses, circuit breakers or current limiting resistors
- Provides superior protection due to the rapid recovery of the three-electrode gas tube, which returns the protected line to service as the transient subsides.
- Easy installation for both existing and new applications
- Three spade tip leads facilitate connection to binding post terminals, using up to No. 10 screws. The two outer leads are connected across the two-wire circuit being protected, and the center lead to ground
- The grounding termination point provides a low resistance path to earth ground in order to optimize protection

INDUSTRY STANDARDS

- Uses UL recognized gas tube
SPECIFICATIONS

DC Breakdown Voltage @ 2000 V/sec  See code below

Impulse Breakdown  Less than 1000 V at 10 kv/μsec

Operating Delay  Less than 0.1microsecond when measured by applying 1500 vdc in less than 0.1microsecond

Energy Application  Withstands 20 amp ac for 1 second applied 10 times at 3 minute intervals on either section

Current Rating (8/20 impulse)  40,000 amp (20kA each side)

Capacitance  6 picofarads, line to ground

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Standard Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>317(*)</td>
<td>Three-Electrode Gas Tube Arrester</td>
<td>50 pieces - 0.045 lbs. each</td>
</tr>
</tbody>
</table>

(*) INSERT DC BREAKDOWN VOLTAGE FROM TABLE BELOW

When ordering 317 Three-Electrode gas tube surge arresters, specify code A, B or C in model number for breakdown voltage desired.

<table>
<thead>
<tr>
<th>Code</th>
<th>DC Breakdown Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>150 - 300V DC</td>
</tr>
<tr>
<td>B</td>
<td>300 - 500V DC</td>
</tr>
<tr>
<td>C</td>
<td>500-900V DC</td>
</tr>
</tbody>
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