

317

Three-Electrode Maximum Duty Gas Tube Surge Arrester

Provides Maximum Duty
Three-Electrode
Gas Tube Protection

Self-Restoring

Prevents Dangerous
Metallic Surges

Reduces Costly
Maintenance

Recommended for use on
Control Circuits,
Buried Cable and
Other Specialized
Communication Links



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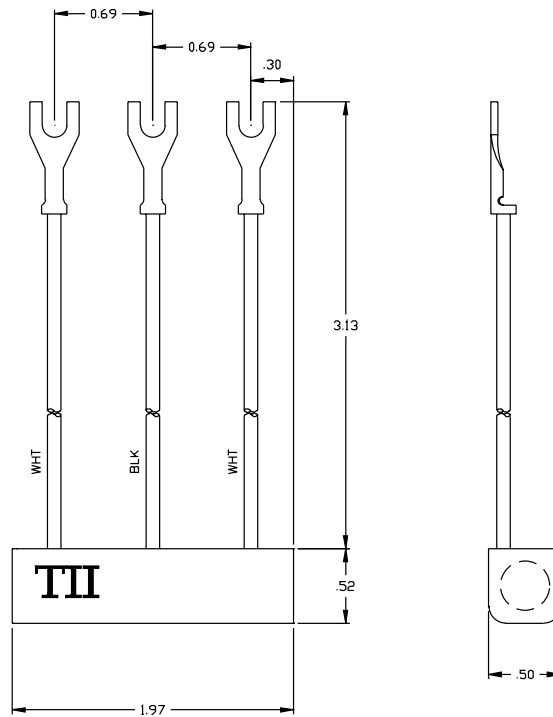
The 317 is an encapsulated module containing Tii's Maximum Duty three-electrode gas tube surge arrester, engineered to protect equipment from lightning and induced surges.

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



Dimensions are in Inches

SPECIFICATIONS

DC Breakdown Voltage @ 2000 V/sec	See code below
Impulse Breakdown	Less than 1000 V at 10 kv/ μ sec
Operating Delay	Less than 0.1 microsecond when measured by applying 1500 vdc in less than 0.1 microsecond
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

Model No.	Description	Standard Pkg.
317(*)	Three-Electrode Gas Tube Arrester	50 pieces - 0.045 lbs. each

(*) 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.

Code	DC Breakdown Voltage
A	150 - 300V DC
B	300 - 500V DC
C	500-900V DC