

Tii 362M/K & Tii 365

Protector Units

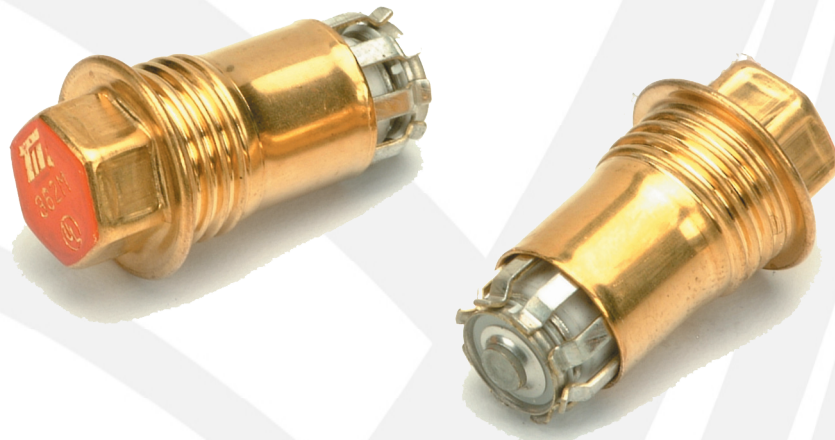
Direct Field Replacement for
Carbon Protectors

Long-Life Heavy Duty Two-
Electrode Gas Tube Protection

Fail Short Design With Back-up
Airgap

Fits Standard 1/2" - 20 Thread
Wells

Installs Easily With 3/8" Socket



Tii 362M

The Tii 362M/K & Tii 365 Protector Units are designed as direct field replacements for carbon or other gas tube protector assemblies in blocks with 1/2"-20 threaded wells.

KEY PRODUCT BENEFITS

- ▶ Offers extended service life and consistent efficiency with minimal maintenance.
- ▶ Both models consist of a Heavy-Duty two-electrode gas tube, fusible alloy pellet, airgap, protector cage and spring in a threaded shell.
- ▶ Failsafe protection is provided in three ways:
 - 1) On transient surges the two-electrode gas tube operates quickly to shunt the surge to ground.
 - 2) The airgap functions as a backup in the unlikely event that the gas tube seal is damaged.
 - 3) The failshort mechanism shorts the line to ground in a power cross situation.
- ▶ Tii gas tubes are constructed of selected metal alloy and ceramic materials to insure many years of dependable service.
- ▶ The two-electrode gas tube provides low maintenance cost without the problems associated with carbon airgap protectors.
- ▶ The sealed atmosphere in the gas tube assures fast and consistent responses with a stable breakdown voltage.
- ▶ After a surge has passed, self-restoration is rapid and uniformly predictable.

INDUSTRY STANDARDS

- ▶ Listed to UL 497.
- ▶ Meets Telcordia GR-1361-CORE.
- ▶ Tested to RUS PE-80.

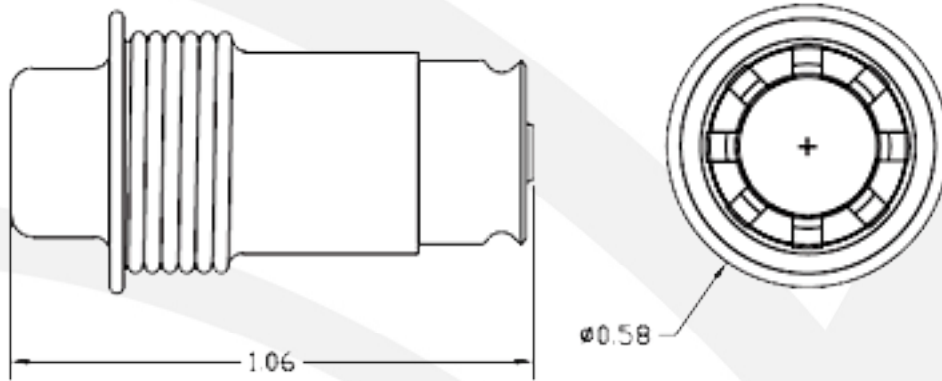


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Tii 362M/K & Tii 365



Dimensions are in Inches

SPECIFICATIONS

Tii 362M/K

DC Breakdown Voltage:	300 - 500Vdc
Maximum Single Impulse Discharge Current, 8/20 waveform:	10kA
Line to Ground Impulse Voltage @: 100V/μsec	750V Maximum
Impulse Life - 500A, 10/1000: Waveform at one minute Intervals each direction:	400 Surges Minimum
AC Discharge Current 11 cycles, 60Hz	65A rms
Capacitance	<30pF
Airgap Breakdown Voltage:	1500Vdc Maximum*
Insulation Resistance	100 Megohms Minimum @ 100Vdc, Line-Ground
DC Holdover: 150Vdc	Device extinguishes in <150 ms

* 362K has a maximum Airgap Breakdown Voltage of 1200Vdc

Tii 365

DC Breakdown Voltage:	265 - 600Vdc
Maximum Single Impulse Discharge Current, 8/20 waveform:	10kA
Line to Ground Impulse Voltage @: 100V/μsec	500V Typical 750V Maximum
Impulse Life - 500A, 10/1000: Waveform at one minute Intervals each direction:	1200V Maximum
Service Life:	
10Amp, 10/1000 waveform:	1500 Surges Minimum
100 Amp, 10/1000 waveform:	100 Surges Minimum
300 Amp, 10/1000 waveform:	50 Surges Minimum
2000 Amp, 1/250 waveform:	5 Surges Minimum
*Insulation Resistance	100 Megohms Minimum @100Vdc
Capacitance	<30pF
Airgap Breakdown Voltage:	1500Vdc Maximum
DC Holdover 150Vdc	Device extinguishes in <150 ms

ORDERING INFORMATION

Model No.	Description
Tii 362M (orange top)	Protector Unit 1/2"-20
Tii 362K (yellow top)	Protector Unit 1/2"-20
Tii 365 (white top)	Protector Unit 1/2"-20
Standard Package:	100 pieces
Weight:	0.015 lbs. each