

Station Protectors 3 Element Gas - Heavy Duty



1356 Series

Balanced Operation - Heavy Duty



Description:

The model 1356 gas station protector is designed to provide heavy duty transient and power fault protection for most standard telephone line applications. The common chamber, 3 electrode gas tube provides true balanced operation. An overvoltage on either side of the circuit causes the entire tube to ionize and grounds both sides of the circuit simultaneously. This simultaneous grounding prevents a second arriving transient on the opposite side to pass through the equipment as may happen with 2 element configurations. This balanced configuration provides the best possible protection against line to line metallic surges where the transient on one side slightly lags the other. Nominal breakdown voltage for the model 1356 is 350VDC.



Features:

- Heavy duty surge handling capability
- Modular, industry standard design
- Superior common chamber design
- Balanced operation
- UL listed

Benefits:

- Rugged, dependable operation
- Fits most Network Interface Devices
- Reduced service calls compared to 2 element designs
- Prevents damage by "lagging" or sneak transients
- Documented safe performance

1356 Series Ordering Information

Model No.	Order No.	Dimensions (H"xW"xD")	Weight (lbs)
1356	801002	1.2 x 2.25 x 1.5	.08

Station Prot.



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Specifications:

DC Breakdown (nominal)

@ 2KV/sec 350V

Capacitance

1 Vrms @ 1KHZ, 50VDC <10 pf

Impulse Breakdown Voltage

@ 100V /µsec 750V

@ 1KV/µsec 900V

Insulation Resistance

@ 50VDC >1m ohms

DC Holdover Voltage

135V
< 150ms

Fail-safe Operation

@ 1.0 A <40 sec

@ 5.0 A <20 sec

@ 20 A <5 sec

@ 60A <1 sec

Surge life (min operations)¹

@ 10A, 10 x 1000 µsec >1000

@ 100A, 10 x 1000 µsec >300

@ 10kA, 8 x 20, µsec 10

@ 20kA, 8 x 20, µsec 1

@ 65rms, 11 cycles, 130A total 1

@ 10 Arms, 1 sec, 20A total 10

¹ service life requirement as per Bellcore TR-NWT-000974

Circa 1356 Gas Station Protector Symmetrical

