

# Gas Discharge Tubes

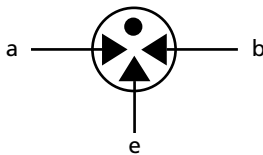
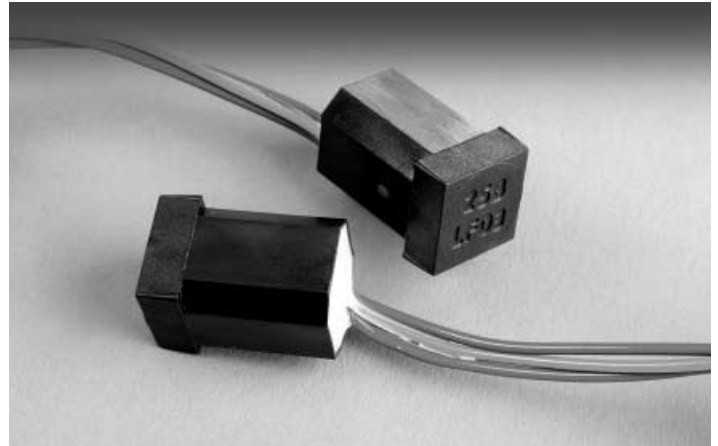
## Modified Protector

### 18A/18B Series Potted Gas Plasma Arresters



#### Features

- Conforms to BT specifications D2982B
- Hermetically sealed enclosure for use in underground joints and pole tops.
- Flying leads for easy connection to IDC or screw terminals.
- High surge capability
- Conforms to BT specification D2982B
- Flame retardent materials to UL 94V0



3 ELECTRODE GDT

a=TIP

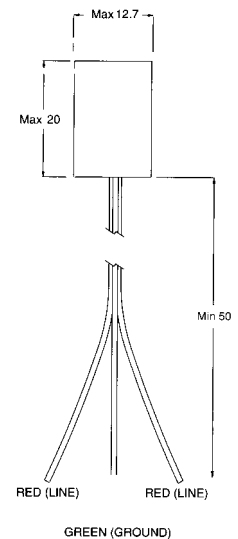
b=RING

e=GROUND

(centre electrode)

GRAPHICAL SYMBOL

All dimensions in mm



MODIFIED PROTECTOR 18A/18B

**LITTELFUSE 3 TERMINAL POTTED ARRESTERS, 18A, 18B, CONFORMS TO BT SPECIFICATION D2982B TOTALLY NON-RADIOACTIVE, UL RECOGNIZED**

Electrical Characteristics	DC Sparkover <sup>1</sup> (V)	Max Impulse Sparkover <sup>2</sup> (V)	Alternating Discharge Current <sup>3</sup> (A)	Impulse Discharge Current <sup>4</sup> (kA)	Insulation Resistance <sup>5</sup> (Ω)	Max Capacitance <sup>6</sup> (pF)	Holdover <sup>7</sup> (V)
18A	210-310	800	5	5	1x10 <sup>8</sup>	30	100
18B	400-500	1000	5	5	1x10 <sup>8</sup>	30	100

- (1) Measured using a rate of rise of voltage of 100V/s.
- (2) Measured using a rate of rise of voltage of 1KV/μsec.
- (3) Measured at 1 sec duration, 5 shots @ 3 min intervals, 50Hz.
- (4) Measured using 8/20μsec, 5 shots each polarity.
- (5) Measured at ±170V dc (18A) or ±350V dc (18B).
- (6) Measured at 1 MHz, Line to ground.
- (7) Measured using BT test circuit.

#### ORDERING INFORMATION

**PROTECTOR 18A  
PROTECTOR 18B**

GAS DISCHARGE TUBES