



Features

- Long maintenance-free life
- Direct upgrade equivalent replacements for carbon arresters
- Extremely fast and repeatable response to transients
- Equal performance on both positive and negative surges



This series is obsolete and not recommended for new designs.

- “Back-up” air gap and fail-short mechanism
-  Listed per UL 497

2022 Series – Well-Type Gas Tube Protectors

Bourns 2022-60-A and 2022-84-A Gas Tube Protectors provide high reliability protection against overvoltage transients. Both models provide a built-in “back-up” air gap in the unlikely event the gas tube vents or loses its hermetic seal. Both units are direct replacements for carbon-type arresters.

The 2022-60-A 1/2” design is a completely contained protector assembly compatible with ATT, Reliable Electric, Northern Telecom (CookElectric) and protected terminal blocks.

The 2022-84-A 7/16” design is a completely contained protector assembly compatible with Western Electric/ATT building entrance and OSP terminal protected terminal blocks.

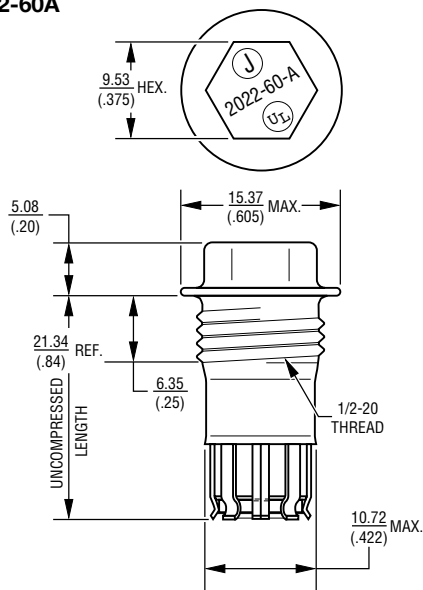
Characteristics

Test Methods per IEEE C62.31, UL 497, RUS PE-80, CSA C22.2, Telcordia GR 974 and 1361.

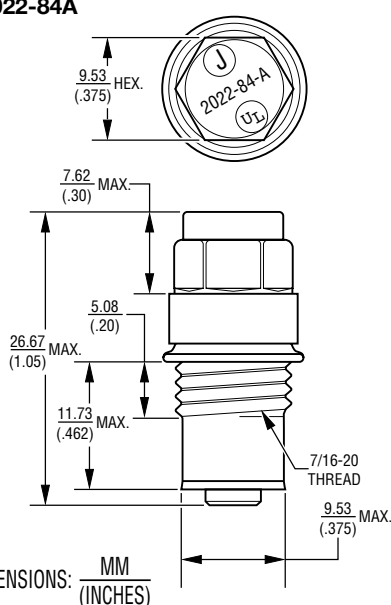
DC Breakdown @ 100 V/sec	300-500 V
Impulse Breakdown	
100 V/μsec	600 V
10 kV/μsec	850 V
100 V/μsec, vented	1000 V
Insulation Resistance @ 100 V	>10 ⁹ Ω
Capacitance @ 1 kHz	<15 pF
DC Extinguishing @ 52 V, 135 V, 150 V	<150 msec
Impulse Life Characteristics	
3000x 10 A	10/1000 μsec
300x 100 A	10/1000 μsec
100x 300 A	10/1000 μsec
400x 500 A	10/1000 μsec
25x 2 kA	10/250 μsec
20 kA	8/20 μsec
AC Life Characteristics	
20x 10 A	1 sec
60x 1 A	1 sec
65 A	11 cycles

Product Dimensions

2022-60A



2022-84A



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

REV. D 11/25

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