

## VL Arrester (8.4 kV MCOV)

By OHIO BRASS  
Catalog # [VLN010GA009AA](#)

IEEE Station Class and IEC Station Medium (SM) Class  
Porcelain Housed Surge Arrester



\*Representative Image

### General

|                                    |  |
|------------------------------------|--|
| Cantilever Bending Strength - Max. | 70000 lb                                     |
| Color                              | Gray   |
| Material                           | Porcelain                                    |
| Mounting Hardware                  | NEMA 4-Hole Pad and Single Eyebolt Terminals |
| Mounting Position Type             | Metal Top/Tripod Base Station                |

### Dimensions

|                                |                    |
|--------------------------------|--------------------|
| Bolt Circle Diameter           | 10.00 in           |
| Diameter - Lug Hole            | .56 in (14 mm)     |
| Diameter - Single Bolt Hole(s) | 0.50 in            |
| Height                         | 19.1 in            |
| Maximum Operating Altitude     | 12000 ft           |
| Thickness - Lug                | 1.25 in (31.75 mm) |

### Electrical Ratings

|                            |  |
|----------------------------|--|
| Creep and Leakage Distance | 6.2 in (157 mm)  |
| Duty Cycle                 | 10 kV  |
| Frequency Rating           | 48-62 Hz   |
| MCOV                       | 8.4 kV   |
| Maximum Discharge Voltage  | <ul style="list-style-type: none"> <li>• 22 kV @ 1.5 kA</li> <li>• 223.2 kV @ 3 kA</li> <li>• 24.3 kV @ 5 kA</li> <li>• 26 kV @ 10 kA</li> <li>• 28.5 kV @ 20 kA</li> <li>• 31.8 kV @ 40 kA</li> </ul> |

|  |         |
|--|---------|
| Maximum Switching Surge Protective Level @ 1000A | 22      |
| Maximum Switching Surge Protective Level @ 500A  | 21.0 kV |
| Pressure Relief Capability-Symmetrical rms (kA)  | 63      |
| Withstand Voltage - 60 Hz Wet                    | 30      |
| Withstand Voltage - Lightning Impulse            | 110     |
| Withstand Voltage - Switching Impulse            | 76      |

### Certifications and Compliance

|                      |            |
|----------------------|------------|
| Industry Standard(s) | IEEE & IEC |
|----------------------|------------|

### Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC \(30\)](#)  
[Installation Manuals - Porcelain Hollow Core Station Class Arrester Installation Instructions \(17-5092\)](#)