

# HUBBELL Power Systems

## SVN Arrester (12.7 kV MCOV)

By OHIO BRASS  
Catalog # [SVN015CA013AA](#)

IEEE Station Class Polymer Housed Surge Arrester



### Features

- IEEE silicone station class arrester
- IEEE 693 High Performance Qualification
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

### General

|                                    |                          |
|------------------------------------|--------------------------|
| Application                        | Station                  |
| Cantilever Bending Strength - Max. | 70000 in lbs             |
| Color                              | Gray Housing             |
| Material                           | Silicone Polymer Housing |
| Mounting Position                  | Upright                  |
| Type                               | Station                  |
| UPC                                | 096359802143             |

### Dimensions

|  |                                  |
|--|----------------------------------|
| Bolt Circle Diameter   | 10 in                            |
| Diameter - Lug Hole  | 0.56 in (14 mm)                  |
| Diameter - Single Bolt Hole(s)                                 | 0.56 in                          |
| Height   | 38.1 in                          |
| Maximum Operating Altitude                                     | 12000 ft                         |
| Minimum Mounting Spacing on Center (Sea Level) - Phase to      | 35 mm                            |
| Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase | 53 mm                            |
| Thickness - Lug  | 0.25 in (7 mm) - 0.81 in (21 mm) |

### Electrical Ratings

|  |   |
|--|---|
| Creep and Leakage Distance                                   | 83.9 in (2130 mm)   |
| Duty Cycle   | 15 kV   |
| Frequency Rating   | 48-62 Hz  |
| MCOV   | 12.7 kV   |
| Maximum .5 Microsecond Discharge Volts @ Classifying Current | 39.9 kV   |
| Maximum Discharge Voltage                                    | 32.6 kV @ 1.5 kA<br>33.9 kV @ 3 kA<br>35.1 kV @ 5 kA<br>36.8 kV @ 10 kA<br>39.3 kV @ 20 kA<br>43.3 kV @ 40 kA |
| Maximum Switching Surge Protective Level @ 1000A             | 31.2 kV   |
| Maximum Switching Surge Protective Level @ 2000A             | 32.3 kV   |
| Maximum Switching Surge Protective Level @ 500A              | 30.3 kV   |
| Pressure Relief Capability-Symmetrical rms (kA)              | 65  |
| Withstand Voltage - 60 Hz Wet Impulse                        | 186 kVrms   |
| Withstand Voltage - Lightning Impulse                        | 374 kV  |
| Withstand Voltage - Switching Impulse                        | 309 kV  |

### Conductor Related

|                |                 |
|----------------|-----------------|
| Conductor Type | Aluminum/Copper |
|----------------|-----------------|

## Certifications And Compliance

Industry Standard(s) IEEE

### Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC](#)

[ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc.](#)

[Effective 2020-2023, Multi-site \(English\)](#)

[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)

[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)

[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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