

MVN Arrester (144 kV MCOV)

By OHIO BRASS  
Catalog # [MVN180GA144AA](#)

IEEE Station Class Porcelain Housed Surge Arrester



Features

- IEEE porcelain 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

Cantilever Bending Strength - Max.	150,000 in lbs
Catalog Number	MVN180GA144AA
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	Porcelain Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Metal Top/Tripod Base
Type	Station
UPC	096359506560

Dimensions

Bolt Circle Diameter	10 in
Diameter - Lug Hole	.88 in (22.352 mm)
Diameter - Ring	25.2 in / 15.0 in
Diameter - Single Bolt Hole(s)	0.75 in
Dimensions	54.000 in x 14.000 in x 20.000 in
Height	20 in
Length	54 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	45 in (1143 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	52 in (1321 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	442 lb

Width 14 in

Electrical Ratings

Creep and Leakage Distance	200 in (5080 mm)
Duty Cycle	180 kV
Frequency Rating	48-62 Hz
MCOV	144 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	454 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 370 kV @ 1.5 kA</li><li>• 385 kV @ 3 kA</li><li>• 398 kV @ 5 kA</li><li>• 418 kV @ 10 kA</li><li>• 447 kV @ 20 kA</li><li>• 491 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 1000A	355
Pressure Relief Capability-Symmetrical rms (kA)	65

Certifications And Compliance

Buy America(n) Qualified	TAA Compliant (All status valid till December 2024)
Industry Standard(s)	IEEE

Product Assets

[Catalogs - Protecta\\*Lite Line Surge Arresters](#)  
[Installation Manuals - Porcelain Hollow Core Station Class Arrester Installation Instructions](#)  
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)  
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)  
[Sales Drawings - MVN180GA144AA \(Reference Only\)](#)  
[Specifications - MVN180GA144AA](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor](#)