

EVP Arrester (144 kV MCOV / Uc)

By OHIO BRASS
Catalog # [EVP0144003001](#)

IEEE Station Class / IEC Station Medium Polymer Housed Surge Arrester



Features

- EVP solid core station arresters comply with the latest revision of IEEE C62.11 and IEC 60099-4
- Long lasting ESP™ housing material with superior mechanical strength and electrical characteristics
- Robust sealing system protects internal components from moisture ingress to extend service lifetime
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Assembled in Aiken, South Carolina
- 100% routine tested

General

Cantilever Bending Strength - Max.	20,000 lb.
Catalog Number	EVP0144003001
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359506416

Dimensions

Diameter - Bolt Circle Variable	8.75 to 10 in
Diameter - Lug Hole	.56 in (14.224 mm)
Diameter - Ring	27.9 in / 14.5 in
Diameter - Single Bolt Hole(s)	0.5 in
Dimensions	25.000 in x 25.000 in x 82.630 in
Height	82.63 in
Length	25 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	62.4 in (1585 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	76.3 in (1938 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	120 lb
Width	25 in

Electrical Ratings

Creep and Leakage Distance	215.8 in (5481 mm)
Duty Cycle	180 kV
Frequency Rating	48-62 Hz
MCOV	144 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	480 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 366.1 kV @ 1.5 kA• 384.7 kV @ 3 kA• 403.3 kV @ 5 kA• 432.7 kV @ 10 kA• 467.8 kV @ 20 kA• 533.6 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	357
Pressure Relief Capability- Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet	395 kV
Withstand Voltage - Lightning Impulse	1006 kV
Withstand Voltage - Switching Impulse	843 kV

Certifications And Compliance

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

Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC](#)
[Installation Manuals - EVP Polymer Station Class Arrester Installation Instructions](#)
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
[Literature - Polymer Station Arrester](#)
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
[Sales Drawings - EVP0144003001](#)
[Specifications - Specification for Solid Core IEC Station Class Arresters](#)
[Specifications - EVP0144003001](#)
[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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