

EVP Arrester (42 kV MCOV / Uc)

By OHIO BRASS
Catalog # [EVP0042003001](#)

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	EVP0042003001
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359506331

Dimensions

Diameter - Bolt Circle Variable	8.75 to 10 in
Diameter - Lug Hole	.56 in (14.224 mm)
Diameter - Single Bolt Hole(s)	0.5 in
Dimensions	7.000 in x 10.000 in x 14.400 in
Height	14.4 in
Length	7 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	14.9 in (378 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	20.5 in (521 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	31 lb
Width	10 in

Electrical Ratings



Creep and Leakage Distance	61.5 in (1562 mm)
Duty Cycle	54 kV
Frequency Rating	48-62 Hz
MCOV	42 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	145 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 110.6 kV @ 1.5 kA• 116.2 kV @ 3 kA• 121.9 kV @ 5 kA• 130.7 kV @ 10 kA• 141.3 kV @ 20 kA• 161.2 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	103.7 kV
Pressure Relief Capability-Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet Impulse	148 kV
Withstand Voltage - Lightning Impulse	313 kV
Withstand Voltage - Switching Impulse	263 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 - EVP0042003001](#)
- [Specifications - Specification for Solid Core IEC Station Class Arresters](#)
- [Specifications - EVP0042003001](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)



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