

**EVP Arrester (84 kV MCOV / Uc)**

By OHIO BRASS  
Catalog # [EVP0084003001](#)

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	EVP0084003001
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359506355

**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	12.000 in x 12.000 in x 50.630 in
Height	50.63 in
Length	12 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	28.2 in (716 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to	35.6 in (904 mm)
Phase	
Thickness - Lug	1.25 in (31.75 mm)
Weight	59 lb
Width	12 in

**Electrical Ratings**



Creep and Leakage Distance	123 in (3124 mm)
Duty Cycle	108 kV
Frequency Rating	48-62 Hz
MCOV	84 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	289 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 221.2 kV @ 1.5 kA</li><li>• 232.5 kV @ 3 kA</li><li>• 243.7 kV @ 5 kA</li><li>• 261.5 kV @ 10 kA</li><li>• 282.7 kV @ 20 kA</li><li>• 322.4 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	207.4 kV
Pressure Relief Capability-Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet Impulse	275 kV
Withstand Voltage - Lightning Impulse	631 kV
Withstand Voltage - Switching Impulse	529 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 - EVP0084003001](#)
- [Specifications - Specification for Solid Core IEC Station Class Arresters](#)
- [Specifications - EVP0084003001](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)



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