

EVP Arrester (31.5 kV MCOV / Uc)

By OHIO BRASS
Catalog # [EVP0031003002](#)

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	EVP0031003002
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359577805

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
Height	20.9 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	11.1 in (282 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to	16.2 in (411 mm)
Phase	
Thickness - Lug	1.25 in (31.75 mm)
Weight	27 lb

Electrical Ratings

Creep and Leakage Distance	50.9 in (1293 mm)
Duty Cycle	39 kV
Frequency Rating	48-62 Hz
MCOV	31.5 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	105 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 79.3 kV @ 1.5 kA• 83.4 kV @ 3 kA• 87.4 kV @ 5 kA• 93.8 kV @ 10 kA• 101.4 kV @ 20 kA• 115.6 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	74.4 kV
Pressure Relief Capability-Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet Impulse	125 kV
Withstand Voltage - Lightning Impulse	261 kV
Withstand Voltage - Switching Impulse	219 kV

Certifications And Compliance

Industry Standard(s)	IEEE/IEC
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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 - EVP0031003002 \(for reference only\)](#)
- [Specifications - Specification for Solid Core IEC Station Class Arresters](#)
- [Specifications - EVP0031003002](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)