

EVP Arrester (24.4 kV MCOV / Uc)

By OHIO BRASS
Catalog # [EVP0024003002](#)

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	EVP0024003002
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359528012

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	17.2 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	8.9 in (226 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	13.8 in (351 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	22 lb

Electrical Ratings



Creep and Leakage Distance	40.5 in (1029 mm)
Duty Cycle	30 kV
Frequency Rating	48-62 Hz
MCOV	24.4 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	81.2 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 61.3 kV @ 1.5 kA• 64.5 kV @ 3 kA• 67.6 kV @ 5 kA• 72.5 kV @ 10 kA• 78.4 kV @ 20 kA• 89.4 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	57.5 kV
Pressure Relief Capability- Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet Impulse	101 kV
Withstand Voltage - Lightning Impulse	207 kV
Withstand Voltage - Switching Impulse	173 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 - EVP0024003002 \(for reference only\)](#)
- [Specifications - Specification for Solid Core IEC Station Class Arresters](#)
- [Specifications - EVP0024003002](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)