

EVP Arrester (48 kV MCOV / Uc)

By OHIO BRASS
Catalog # [EVP0048003002](#)

IEEE Station Class / IEC Station Medium Polymer Housed
Surge Arrester



*Representative Image

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.
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Class 3/Station Medium
UPC	096359520535

Dimensions

Diameter - Bolt Circle Variable	8.75 to 10 in
Diameter - Lug Hole	.56 in (14.224 mm)
Diameter - Single Bolt Hole(s)	0.50 in
Height	28.2 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	16.2 in (411 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	22.1 in (561 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	36 lb

Electrical Ratings

Creep and Leakage Distance	71.9 in (1826 mm)
Duty Cycle	60 kV
Frequency Rating	48-62 Hz
MCOV	48 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	160.0 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> • 122 kV @ 1.5 kA • 128.2 kV @ 3 kA • 134.4 kV @ 5 kA • 144.2 kV @ 10 kA • 155.9 kV @ 20 kA • 177.9 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	114.4 kV
Pressure Relief Capability- Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet	172 kV
Withstand Voltage - Lightning Impulse	367 kV
Withstand Voltage - Switching Impulse	308 kV

Certifications and Compliance

Industry Standard(s)	IEEE/IEC
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Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC \(30\)](#)
[Installation Manuals - EVP Polymer Station Class Arrester Installation Instructions \(17-5156\)](#)
[ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc. Effective 2020-2023, Multi-site \(English\)](#)
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)
[Sales Drawings - EVP0048003002 \(for reference only\)](#)
[Video - Hubbell Power Systems Metal Oxide Varistor \(VI01022E0718\)](#)

