

EVP Arrester (106 kV MCOV / Uc)

By Ohio Brass
Catalog # [EVP0106003001](#)

EVP, 106kV MCOV / Uc, 132kV Duty Cycle Rating / Ur



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

Specifications

EU RoHS Indicator	Contact Manufacturer
Industry Standard(s)	IEEE/IEC

Configuration

Mounting Position	Upright
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Current

Frequency Rating	48-62 Hz
MCOV	106 kV
Withstand Voltage - Switching Impulse	546 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	350.0 kV
Withstand Voltage - 60 Hz Wet	283 kV
Withstand Voltage - Lightning Impulse	652 kV
Creep and Leakage Distance	143.9 in (3655 mm)
Maximum Discharge Voltage	• 268.5 kV @ 1.5 kA • 282.1 kV @ 3 kA • 295.8 kV @ 5 kA • 317.4 kV @ 10 kA • 343.1 kV @ 20 kA • 391.3 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	262.0
Duty Cycle	132 kV

Pressure Relief Capability-Symmetrical rms (kA)	63
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Dimensions

Diameter - Bolt Circle Variable	8.75 to 10 in
Length	60.500 in
Diameter - Ring	16.5 in / 9.0 in
Depth	16.5 in
Diameter - Lug Hole	.56 in (14.224 mm)
Weight	73 lb.
Height	53.7 in
Width	16.5 in
Thickness - Lug	1.25 in (31.75 mm)
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	38.7 in (983 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	51.6 in (1311 mm)
Diameter - Single Bolt Hole(s)	0.50 in
Dimensions	60.500 in x 16.5 in x 53.7 in

Force Related

Cantilever Bending Strength - Max.	20,000 lb.
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General

Color	Gray Housing
UPC	096359506379
Type	Station
Mounting Hardware	Single Eyebolt Terminals
Material	ESP™ Polymer Housing

Operational

Maximum Operating Altitude	12000 ft
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Product Assets

[Catalog \[English\]](#)
[Installation Manual \[English\]](#)