

**PDV-100 Optima Arrester (24.4 kV
MCOV, C2CC Hardware)**

By OHIO BRASS
Catalog # [294224C2CC](#)

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge
Arrester

Features

- Over 35 years of excellent field performance with over 40 million distribution arresters installed
- Long lasting ESP™ housing material with superior mechanical strength and electrical characteristics
- Reliable capacitive disconnecter operates at fault currents as low as 1 Amp
- Dynamic triple sealing system protects internal components from moisture ingress to extend service lifetime
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

Application

Distribution

General

Bracket Type	None
Cantilever Bending Strength - Max.	59.008 lb.
Catalog Number	294224C2CC
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution

Dimensions

Height	13.1 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	12.0 in (304.8 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	14.0 in (355.6 mm)
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	42.5 in (1079 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	30 kV
Frequency Rating	48-62 Hz
MCOV	24.4 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	105.2 kV
Maximum Discharge Voltage	<ul style="list-style-type: none">• 76 kV @ 1.5 kA• 81.4 kV @ 3 kA• 86.2 kV @ 5 kA• 94 kV @ 10 kA• 106.8 kV @ 20 kA• 125.9 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	69.6 kV
Minimum Strike	14 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Certifications And Compliance

Industry Standard(s)	IEEE/IEC
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Logistics

Pallet Quantity	35
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Product Assets

[Brochures - Ohio Brass Sets the Standards for Arresters](#)
[Catalogs - Arresters IEEE & IEC Distribution Class](#)
[Installation Manuals - PDV-PVR Polymer Distribution Class](#)
[Arrester Installation Instructions](#)
[Sales Drawings - 294224C2CC](#)
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)
[Specifications - 294224C2CC](#)

