

**PDV-100 Optima Arrester (19.5 kV  
MCOV, C2CC Hardware)**

By OHIO BRASS  
Catalog # [294220C2CC](#)

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge  
Arrester



\*Representative Image

**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	294220C2CC
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359816072

**Dimensions**

Height	11.5 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to	10.0 in (254 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to	12.0 in (304.8 mm)
Phase	
Stud Type	3/8-16

**Electrical Ratings**

Creep and Leakage Distance	36.5 in (927 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	24 kV
Frequency Rating	48-62 Hz
MCOV	19.5 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	85.5 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 61.6 kV @ 1.5 kA</li><li>• 66 kV @ 3 kA</li><li>• 69.9 kV @ 5 kA</li><li>• 76.2 kV @ 10 kA</li><li>• 86.6 kV @ 20 kA</li><li>• 102 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	56.4 kV
Minimum Strike	12.4 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
----------------------	----------

**Logistics**

Pallet Quantity	80
-----------------	----

**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 - 294220C2CC](#)  
[Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters](#)  
[Specifications - 294220C2CC](#)