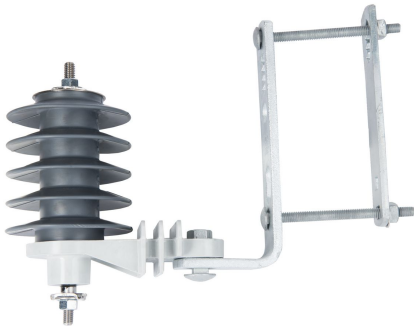


PDV-100 Optima Arrester (7.65 kV MCOV,
7224 Hardware)

By Ohio Brass
Catalog # [2137087224](#)

PDV-100 Optima with disconnecter and NEMA 4x5 crossarm bracket



*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

Configuration

Bracket Type	NEMA 4x5 Crossarm Bracket
Mounting Position	Upright

Current

Frequency Rating	48-62 Hz
MCOV	7.65 kV
Maximum Switching Surge	21.5 kV
Protective Level @ 500A	
Maximum .5 Microsecond	32.7 kV
Discharge Volts @ Classifying Current	
Current - Low Current Long Duration (LCLD) Test	250 A
Time - Low Current Long Duration (LCLD) Test	2000 µs
Creep and Leakage Distance	14.4 in (365 mm)
Maximum Discharge Voltage	• 23.5 kV @ 1.5 kA • 25.1 kV @ 3 kA • 26.6 kV @ 5 kA • 29 kV @ 10 kA • 32.9 kV @ 20 kA

Duty Cycle	• 38.8 kV @ 40 kA
Minimum Strike	8 kV
Pressure Relief Capability-Symmetrical rms (kA)	5.7 in
	20

Dimensions

Stud Type	3/8-16
Depth	4.1 in
Height	8.72 in
Width	7.05 in
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	4 in (101.6 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	6 in (152.4 mm)

Force Related

Cantilever Bending Strength - Max.	80 Nm
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General

Color	Gray Housing
UPC	096359385158
Type	Distribution
Material	ESP™ Polymer Housing

Logistics

Pallet Quantity	192
Carton Quantity	1

Product Assets

[Catalog \[English\]](#)
[Installation Manual \[English\]](#)
[Installation Manual \[English\]](#)
[Installation Manual \[French, English\]](#)
[Installation Manual \[Spanish\]](#)