# HUBBELL **Power Systems**

# PDV-100 Optima Arrester (17 kV MCOV, 7324 Hardware)

By OHIO BRASS Catalog # 2137177324

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge Arrester



\*Representative Image

21 kV

17 kV

71 kV

48-62 Hz

#### **Features**

- Over 35 years of excellent field performance with over 40 million distribution arresters installed
- Long lasting ESP<sup>TM</sup> housing material with superior mechanical strength and electrical characteristics
- Reliable capacitive disconnector 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

NEMA 4x5 Crossarm Bracket Bracket Type

Cantilever Bending Strength -80 Nm

Max.

2137177324 Catalog Number Color **Gray Housing** 

EU RoHS Indicator Contact Manufacturer ESP™ Polymer Housing Material

Mounting Position Upright Type Distribution **UPC** 096359414223

### Dimensions

Dimensions 13.063 in x 8.313 in x 5.125 in

Height 5.125 in 13.063 in Length

Minimum Mounting Spacing on 8.0 in (203.2 mm)

Center (Sea Level) - Phase to

Minimum Mounting Spacing on 10.0 in (254 mm)

Center (Sea Level)- Phase to

Phase

Stud Type 3/8-16 Weight 7.3 lb Width 8.313 in

#### **Electrical Ratings**

Creep and Leakage Distance 28.1 in (713 mm) Current - Low Current Long 250 A

Duration (LCLD) Test

**Duty Cycle** Frequency Rating MCOV Maximum .5 Microsecond Discharge Volts @ Classifying

Current

Maximum Discharge Voltage

51.4 kV @ 1.5 kA

• 55 kV @ 3 kA

• 58.2 kV @ 5 kA

• 63.5 kV @ 10 kA

• 72.1 kV @ 20 kA

85 kV @ 40 kA

Maximum Switching Surge Protective Level @ 500A

Minimum Strike 9.7 in Pressure Relief Capability-20 Symmetrical rms (kA)

Time - Low Current Long Duration (LCLD) Test

2000 Os

47 kV

## **Certifications And Compliance**

Buy America(n) Qualified

• BABA Compliant (All status valid till December 2024)

• TAA Compliant (All status valid till December 2024)

### Logistics

Pallet Quantity 112

#### **Product Assets**

Brochures - Ohio Brass Sets the Standards for Arresters

Catalogs - Arresters IEEE & IEC Distribution Class

Installation Manuals - Installation Instructions for PDV/PVR

Arresters - Chinese

Installation Manuals - PDV-PVR Polymer Distribution Class

Arrester Installation Instructions

Installation Manuals - Installation Instructions for PDV/PVR

Arresters - Spanish

Installation Manuals - Installation Instructions for PDV/PVR

Arresters - French

ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.

Literature - Lightning Surge Arresters

Literature - Application Guide: Metal-oxide Surge Arresters for

use on AC systems

Literature - Hubbell Arrester and Wildlife Guard Solution Kits

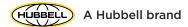
Sales Drawings - 2137177324 (Reference Only)

Specifications - 2137177324

Specifications - Specification for IEEE Heavy Duty Class

Distribution Arresters

Video - Hubbell Power Systems Metal Oxide Varistor



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