HUBBELL
Power Systems, Inc.

PDV-100 Optima Arrester (7.65 kV MCOV, 7202 Hardware)

By OHIO BRASS
Catalog # 2137087202

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 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

Bracket Type	None
Cantilever Bending Strength - Max.	80 Nm
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359411819

Dimensions

Height	4.9 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	14.4 in (365 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	8 kV
Frequency Rating	48-62 Hz
MCOV	7.65 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	32.7 kV
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 • 38.8 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	21.5 kV
Minimum Strike	5.7 in
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 µs

Certifications and Compliance

Industry Standard(s)	IEEE/IEC

Logistics

Pallet Quantity	224

Product Assets

Catalogs - Arresters IEEE & IEC Distribution Class (CA01065E_Catalog 70)
ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc. Effective 2020-2023, Multi-site (English)
ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.
Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems (TD01135E)
Literature - Hubbell Arrester and Wildlife Guard Solution Kits (SF14069E)
Sales Drawings - 2137087202 (Reference Only)
Video - Hubbell Power Systems Metal Oxide Varistor (VI01022E0718)

©2023 Hubbell Incorporated. All rights reserved.
OB-2137087202-SPEC-EN | REV 9/2023