HUBBELL
Power Systems

PDV-100 Optima Arrester (34 kV MCOV, C2CC Hardware)

By OHIO BRASS
Catalog # 294234C2CC

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 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.	59.008 lb.
Catalog Number	294234C2CC
Color	Gray Housing
Material	ESP™ Polymer Housing
Mounting Position	Upright
Type	Distribution
UPC	096359825098

Dimensions

Height	17.2 in
Stud Type	3/8-16

Electrical Ratings

Creep and Leakage Distance	56.2 in (1427 mm)
Current - Low Current Long Duration (LCLD) Test	250 A
Duty Cycle	42 kV
Frequency Rating	48-62 Hz
MCOV	34 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	142 kV
Maximum Discharge Voltage	• 102.7 kV @ 1.5 kA • 110 kV @ 3 kA • 116.5 kV @ 5 kA • 127 kV @ 10 kA • 144.3 kV @ 20 kA • 170.1 kV @ 40 kA
Maximum Switching Surge Protective Level @ 500A	137.7 kV
Pressure Relief Capability-Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs

Certifications And Compliance

Industry Standard(s)	IEEE/IEC

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 - 294234C2CC
Specifications - Specification for IEEE Heavy Duty Class Distribution Arresters
Specifications - 294234C2CC