MacLean Power Systems

MPS Catalog Number: MG400Z

Date: Jan. 2014

ANSI Class: IEC 28
Ball and Socket Coupling: w/ Zinc Sleeve 28

Shell Profile: Standard
Weight: 35.7 lbs 16.2 kg

DIMENSIONS

Diameter (D): 14.2 in 360 mm
Spacing: 8.1 in 205 mm
Leakage Distance: 21.7 in 550 mm

ELECTRICAL VALUES

Low Frequency Dry Flashover: 105 kV
Low Frequency Wet Flashover: 60 kV
Critical Impulse Flashover Positive (CIFO +): 155 kV
Critical Impulse Flashover Negative (CIFO -): 155 kV
Low Frequency Puncture Voltage: 130 kV
Radio Influence Voltage (RIV) Test Voltage: 10 kV
Maximum RIV at 1 MHz: 50 µV

MECHANICAL VALUES

Min. Mechanical Failing Load: 90 klb 400 kN
Proof Routine Test Mech. Load: 45 klb 200 kN
Impact Strength: 400 in-lbs 45 N-m

Item# | Qty | Description | Material | Coating
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1 | 1 | Cap | Spheroidal Graphite Cast Iron | Hot dip galvanized (600g/m^2)
2 | 1 | Shell | Toughened Glass | Hot dip galvanized (600g/m^2)
3 | 1 | Pin | Steel 40 Cr-Forged Steel | Hot dip galvanized (600g/m^2)
4 | 1 | Cotter Pin | Stainless Steel V-16 ANSI | Interlaying Material
5 | 1 | Gasket | Interlaying Material | Alumina Cement
6 | - | Cement | Alumina Cement |