MacLean Power Systems

MPS Catalog Number: MG300Z

Date: Jan. 2014

Standard Class: IEC 24

Ball and Socket Coupling: w/ Zinc Sleeve 24

Shell Profile: Standard

Weight: 25.4 lbs 11.5 kg

Diameter (D): 12.6 in 320 mm

Spacing: 7.68 in 195 mm

Leakage Distance: 19.1 in 485 mm

DIMENSIONS

ELECTRICAL VALUES

Low Frequency Dry Flashover: 95 kV

Low Frequency Wet Flashover: 55 kV

Critical Impulse Flashover Positive (CIFO +): 145 kV

Critical Impulse Flashover Negative (CIFO -): 145 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: 67.4 klb 300 kN

Proof Routine Test Mech. Load: 33.7 klb 150 kN

Impact Strength: 400 in-lbs 45 N-m

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

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