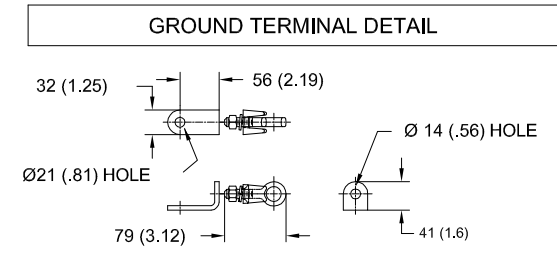


**LINE TERMINAL DETAIL**

HDG 4-HOLE TERMINAL PAD, PART No. 32A161036G01  
 TWO HDG TERMINALS, PART No. 2714143001  
 SUITABLE FOR Cu OR Al CONDUCTOR SIZE  
 Ø 7 (.25) - Ø 21 (.81) DIA  
 25 - 240 sq mm  
 AWG#4 - 500 MCM



**GROUND TERMINAL DETAIL**

HDG TERMINAL BRACKET, PART No. 719454001  
 ONE HDG TERMINAL, PART No. 2714143001  
 SUITABLE FOR Cu OR Al CONDUCTOR SIZE  
 Ø 7 (.25) - Ø 21 (.81) DIA  
 25 - 240 sq mm  
 AWG#4 - 500 MCM

| CHARACTERISTICS       |                   |
|-----------------------|-------------------|
| RATED VOLTAGE         | 588 kVrms         |
| MCOV                  | 470 kVrms         |
| MASS                  | 838 kg (1847.5lb) |
| CREEPAGE DISTANCE     | 18704 (736.4)     |
| TOV 1s NO PRIOR DUTY  | 683 kVrms         |
| TOV 10s NO PRIOR DUTY | 654 kVrms         |
| TOV 1s W/PRIOR DUTY   | 658 kVrms         |
| TOV 10s W/PRIOR DUTY  | 624 kVrms         |
| COG ABOVE BASE        | 3463 (136.3)      |
| HOUSING               | GREY SILICONE     |

| CANTILEVER FORCE      |                   |
|-----------------------|-------------------|
| MAX CONTINUOUS (MDCL) | 3065 N (689 lbf)  |
| ULTIMATE              | 6130 N (1378 lbf) |

| RECOMMENDED CLEARANCE (TO METAL PARTS) |              |
|--|--------------|
| PHASE TO GROUND                        | 2545 (100.2) |
| PHASE TO PHASE                         | 2891 (113.8) |

NOTES:  
 1. DIMENSIONS IN millimeters(inches) SUBJECT TO ±3% TOLERANCE  
 2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL  
 3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 2400m (7000ft)

| DISCHARGE VOLTAGE (kV) FOR INDICATED IMPULSE TYPES AND CURRENT MAGNITUDES |                 |                        |        |      |      |       |       |
|---|-----------------|------------------------|--------|------|------|-------|-------|
| FRONT OF WAVE   | SWITCHING SURGE | 8/20 LIGHTNING IMPULSE |        |      |      |       |       |
|   |                 | 2 kA                   | 1.5 kA | 3 kA | 5 kA | 10 kA | 20 kA |
| 20 kA   | 2 kA            | 1135                   | 1175   | 1211 | 1270 | 1346  | 1441  |
| 1434  | 1144            |                        |        |      |      |       |       |

|  |  |                           |         |                                      |      |          |              |
|--|--|---------------------------|---------|--------------------------------------|------|----------|--------------|
| IEEE C62.11<br>STATION CLASS<br>SURGE ARRESTER | CONFIDENTIAL: THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF HUBBELL POWER SYSTEMS. NO PUBLICATION, DISTRIBUTION OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS UNPUBLISHED ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS. | TITLE                     |         | <b>SVNX ARRESTER<br/>470 KV MCOV</b> |      |          |              |
|  |  | SIZE                      | DWG NO. | CAT / PART / ASSY NO.                |      | REV      |              |
|  |  | S                         | --      | SVNX588GA470AA                       |      | 3        |              |
| REV DATE                                       | 10/13/17   | DO NOT SCALE THIS DRAWING | DRN BY  | SB                                   | DATE | 07/03/14 | SHEET 1 OF 1 |

