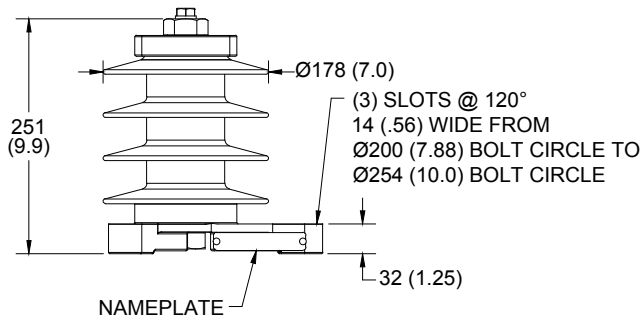




#### NOTES:

1. DIMENSIONS IN millimeters(inches) SUBJECT TO  $\pm 3\%$  TOLERANCE
2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL
3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 4380 m (14370 ft)
4. PACKAGED IN A CORRUGATED BOX

#### MAXIMUM RESIDUAL VOLTAGE (kV)

| FOW   | SWITCHING SURGE |      | 8/20 LIGHTNING IMPULSE |        |      |       |       |       |
|-------|-----------------|------|------------------------|--------|------|-------|-------|-------|
|       |                 |      | 1.5 kA                 | 3.0 kA | 5 kA | 10 kA | 20 kA | 40 kA |
| 10 kA | 500 A           | 1 kA | 1.5 kA                 | 3.0 kA | 5 kA | 10 kA | 20 kA | 40 kA |
| 10.6  | 6.1             | 6.33 | 6.54                   | 6.89   | 7.23 | 7.74  | 8.47  | 9.46  |

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IEEE C62.11  
STATION CLASS  
IEC 60099-4  
10KA SM CLASS  
SURGE ARRESTER

REV DATE  
09/30/2020

#### TITLE

# EVP ARRESTER 2.55 kV MCOV

SIZE CATALOG NUMBER  
S EVP000300-3001

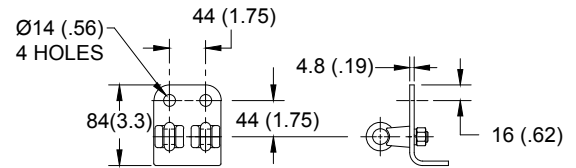
REV  
7

DO NOT SCALE  
THIS DRAWING

DRN BY NON

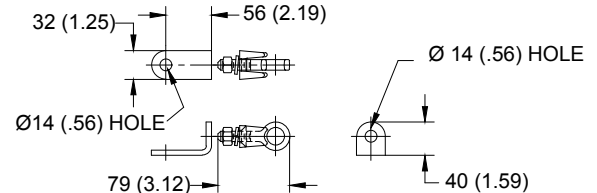
DATE CREATED 05/03/11 SHEET 1 OF 1

#### LINE TERMINAL DETAIL



HDG 4-HOLE TERMINAL PAD, PART No. 274914-4002  
TWO HDG TERMINALS, PART No. 271414-3001 SUITABLE  
FOR COPPER OR ALUMINUM CONDUCTOR SIZE  
Ø 7 (.25) - Ø 21 (.81)  
25 - 240 sq mm  
AWG#4 - 500 MCM

#### GROUND TERMINAL DETAIL



HDG TERMINAL BRACKET, PART No. 89606-4001  
ONE HDG TERMINAL, PART No. 271414-3001 SUITABLE  
FOR COPPER OR ALUMINUM CONDUCTOR SIZE  
Ø 7 (.25) - Ø 21 (.81)  
25 - 240 sq mm  
AWG#4 - 500 MCM

Ø = DIAMETER  
HDG = HOT DIP GALVANIZED

#### CHARACTERISTICS

|                       |                  |       |
|-----------------------|------------------|-------|
| RATED VOLTAGE (Ur)    | 3                | kVrms |
| MCOV (Uc)             | 2.55             | kVrms |
| MASS                  | 5.7 kg (12.6 lb) |       |
| COG ABOVE BASE        | 127 (5)          |       |
| CREEPAGE DISTANCE     | 498 (19.6)       |       |
| STRIKE DISTANCE       | 175 (6.9)        |       |
| LIGHTNING IMP W/S     | 101              | kVpk  |
| SWITCHING IMP WET W/S | 84               | kVpk  |
| POWER FREQ WET W/S    | 50               | kVrms |
| TOV 1s NO PRIOR DUTY  | 3.62             | kVrms |
| TOV 10s NO PRIOR DUTY | 3.47             | kVrms |
| TOV 1s W/PRIOR DUTY   | 3.46             | kVrms |
| TOV 10s W/PRIOR DUTY  | 3.26             | kVrms |

#### CANTILEVER FORCE

|                       |                   |
|-----------------------|-------------------|
| MAX CONTINUOUS - MDCL | 3383 N (761 lbf)  |
| MAX SHORT TERM LOAD   | 6766 N (1521 lbf) |
| SLL BENDING FORCE     | 2706 N (609 lbf)  |
| SSL BENDING FORCE     | 5413 N (1217 lbf) |

#### RECOMMENDED CLEARANCE (METAL - METAL)

|                 |          |
|-----------------|----------|
| PHASE TO GROUND | 25.4 (1) |
| PHASE TO PHASE  | 50.8 (2) |