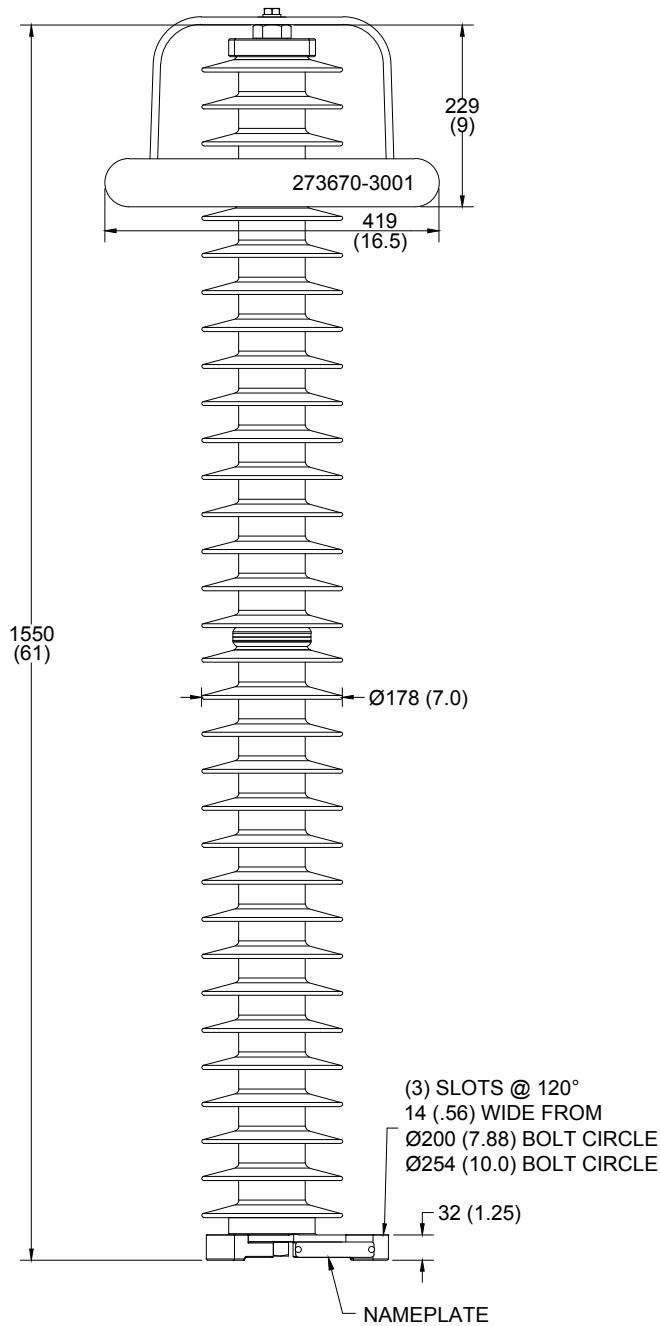




NOTES:

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 WOOD CRATE

MAXIMUM RESIDUAL VOLTAGE (kV)

FOW	SWITCHING SURGE		8/20 LIGHTNING IMPULSE					
	500 A	1 kA	1.5 kA	3.0 kA	5 kA	10 kA	20 kA	40 kA
384	279	289	299	315	330	354	387	433

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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 115 kV MCOV

SIZE CATALOG NUMBER
S EVP011500-3001

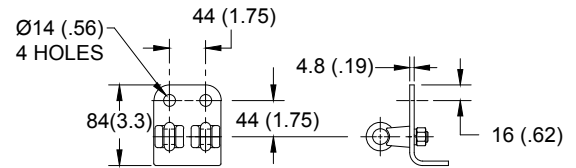
REV
8

DO NOT SCALE
THIS DRAWING

DRN BY NON

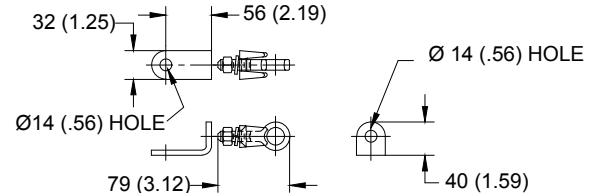
DATE
CREATED 05/03/11 SHEET 1 OF 1

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
 $\varnothing 7 (.25) - \varnothing 21 (.81)$
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
 $\varnothing 7 (.25) - \varnothing 21 (.81)$
25 - 240 sq mm
AWG#4 - 500 MCM

$\varnothing$ = DIAMETER
HDG = HOT DIP GALVANIZED

CHARACTERISTICS

RATED VOLTAGE (U_r)	144 kVrms
MCOV (U_c)	115 kVrms
MASS	37.2 kg (82 lb)
COG ABOVE BASE	808 (31.8)
CREEPAGE DISTANCE	4185 (164.8)
STRIKE DISTANCE	1321 (52)
LIGHTNING IMP W/S	758 kVpk
SWITCHING IMP WET W/S	635 kVpk
POWER FREQ WET W/S	320 kVrms
TOV 1s NO PRIOR DUTY	166 kVrms
TOV 10s NO PRIOR DUTY	159 kVrms
TOV 1s W/PRIOR DUTY	158 kVrms
TOV 10s W/PRIOR DUTY	149 kVrms

CANTILEVER FORCE

MAX CONTINUOUS - MDCL	692 N (156 lbf)
MAX SHORT TERM LOAD	1384 N (311 lbf)
SLL BENDING FORCE	554 N (125 lbf)
SSL BENDING FORCE	1107 N (249 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	679.7 (26.8)
PHASE TO PHASE	782 (30.8)