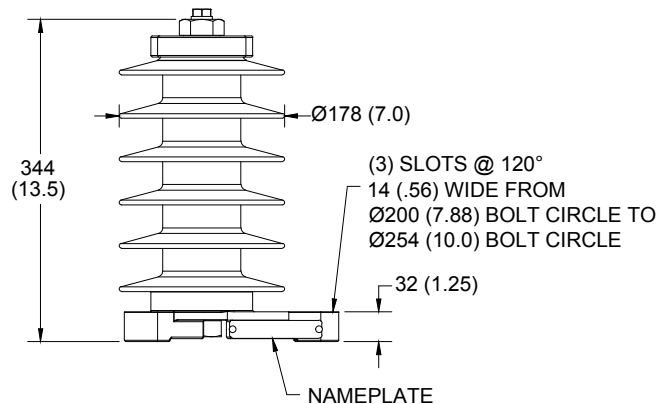




NOTES:

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
29.5	20.1	20.8	21.5	22.7	23.8	25.5	27.9	31.2

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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 8.4 kV MCOV

SIZE CATALOG NUMBER
S EVP000910-3001

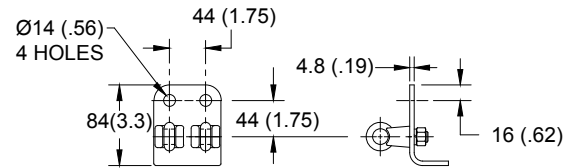
REV
8

DO NOT SCALE
THIS DRAWING

DRN BY NON

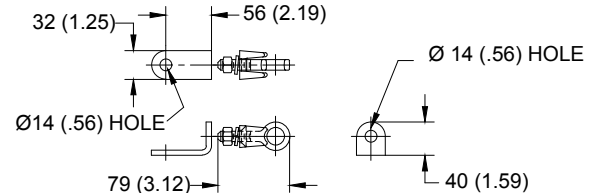
DATE CREATED 05/03/11 SHEET 1 OF 1

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
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)	10	kVrms
MCOV (Uc)	8.4	kVrms
MASS	7.8 kg (17.2 lb)	
COG ABOVE BASE	173 (6.8)	
CREEPAGE DISTANCE	763 (30)	
STRIKE DISTANCE	267 (10.5)	
LIGHTNING IMP W/S	153	kVpk
SWITCHING IMP WET W/S	128	kVpk
POWER FREQ WET W/S	75	kVrms
TOV 1s NO PRIOR DUTY	11.9	kVrms
TOV 10s NO PRIOR DUTY	11.4	kVrms
TOV 1s W/PRIOR DUTY	11.4	kVrms
TOV 10s W/PRIOR DUTY	10.7	kVrms

CANTILEVER FORCE

MAX CONTINUOUS - MDCL	2646 N (595 lbf)
MAX SHORT TERM LOAD	5293 N (1190 lbf)
SLL BENDING FORCE	2117 N (476 lbf)
SSL BENDING FORCE	4234 N (952 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

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