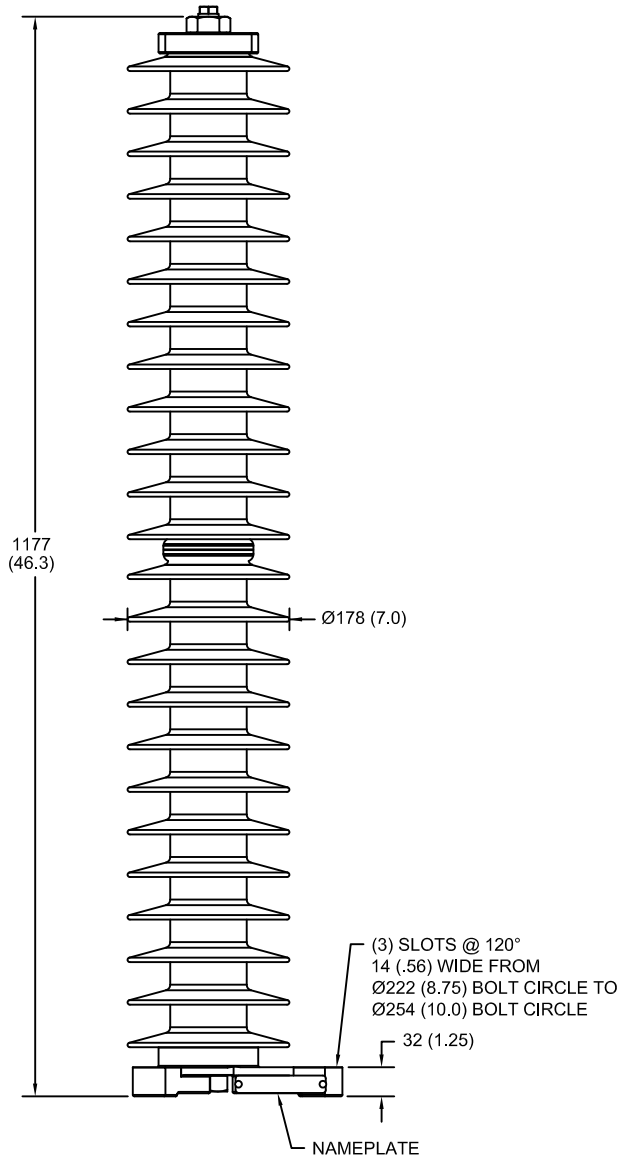




NOTES:

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.

.5μSEC 10kA IR kV	SWITCHING SURGE IR kV		MAXIMUM 8/20 DISCHARGE VOLTAGE - kV AT					
	500 A	1 KA	1.5 kA	3.0 kA	5 kA	10 kA	20 kA	40 kA
289	207	216	221	232	244	261	283	322

IEEE C62.11

STATION-CLASS
SURGE ARRESTER

Program Revision
2015.07.30.08.09.10

REV DATE
05/03/11

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TITLE

**EVP ARRESTER
84 KV MCOV**

SIZE

S

DWG NO.

181962401

CAT / PART / ASSY NO.

EVP0084003001

REV

1

DO NOT SCALE
THIS DRAWING

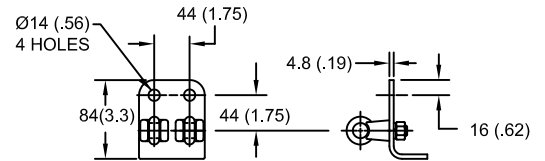
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DATE **05/03/11**

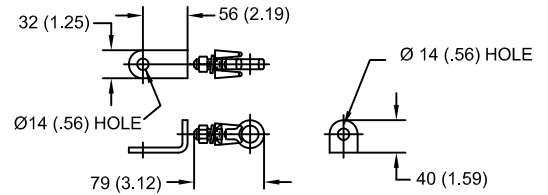
SHEET **1 OF 1**

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)	108 kVrms
MCOV (Uc)	84 kVrms
MASS	26.7 kg (58.9 lb)
COG ABOVE BASE	589 (23.2)
CREEPAGE DISTANCE	3124 (123)
STRIKE DISTANCE	1100 (43.3)
LIGHTNING IMP W/S	631 kVpk
SWITCHING IMP WET W/S	529 kVpk
POWER FREQ WET W/S	275 kVrms
TOV 1s NO PRIOR DUTY	125 kVrms
TOV 10s NO PRIOR DUTY	120 kVrms
TOV 1s W/PRIOR DUTY	119 kVrms
TOV 10s W/PRIOR DUTY	113 kVrms

CANTILEVER FORCE

MAXIMUM CONTINUOUS	897 N (202 lbf)
ULTIMATE (max pk)	1794 N (403 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	503.1 (19.8)
PHASE TO PHASE	582.4 (22.9)



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