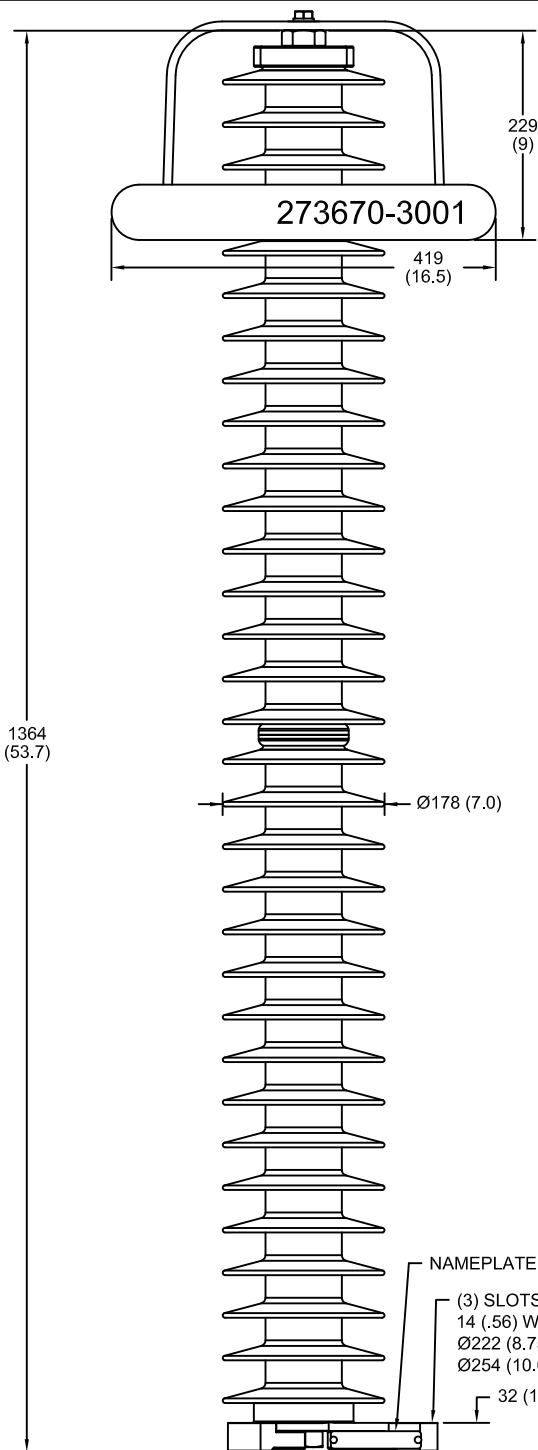




NOTES:

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
350	252	262	268	282	296	317	343	391

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
106 KV MCOV**

SIZE

S

DWG NO.

181962403

CAT / PART / ASSY NO.

EVP0106003001

REV

1

DO NOT SCALE
THIS DRAWING

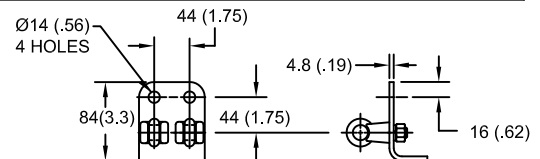
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DATE 05/03/11

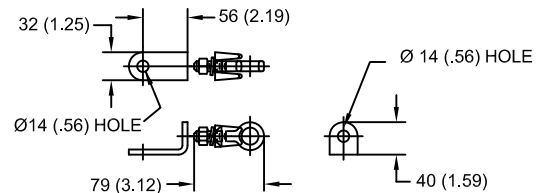
SHEET 1 OF 1

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)	132 kVrms
MCOV (Uc)	106 kVrms
MASS	33.2 kg (73.1 lb)
COG ABOVE BASE	713 (28.1)
CREEPAGE DISTANCE	3654 (143.9)
STRIKE DISTANCE	1135 (44.7)
LIGHTNING IMP W/S	652 kVpk
SWITCHING IMP WET W/S	546 kVpk
POWER FREQ WET W/S	283 kVrms
TOV 1s NO PRIOR DUTY	152 kVrms
TOV 10s NO PRIOR DUTY	145 kVrms
TOV 1s W/PRIOR DUTY	145 kVrms
TOV 10s W/PRIOR DUTY	137 kVrms

CANTILEVER FORCE

MAXIMUM CONTINUOUS	781 N (176 lbf)
ULTIMATE (max pk)	1562 N (351 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	619.2 (24.4)
PHASE TO PHASE	713.6 (28.1)



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