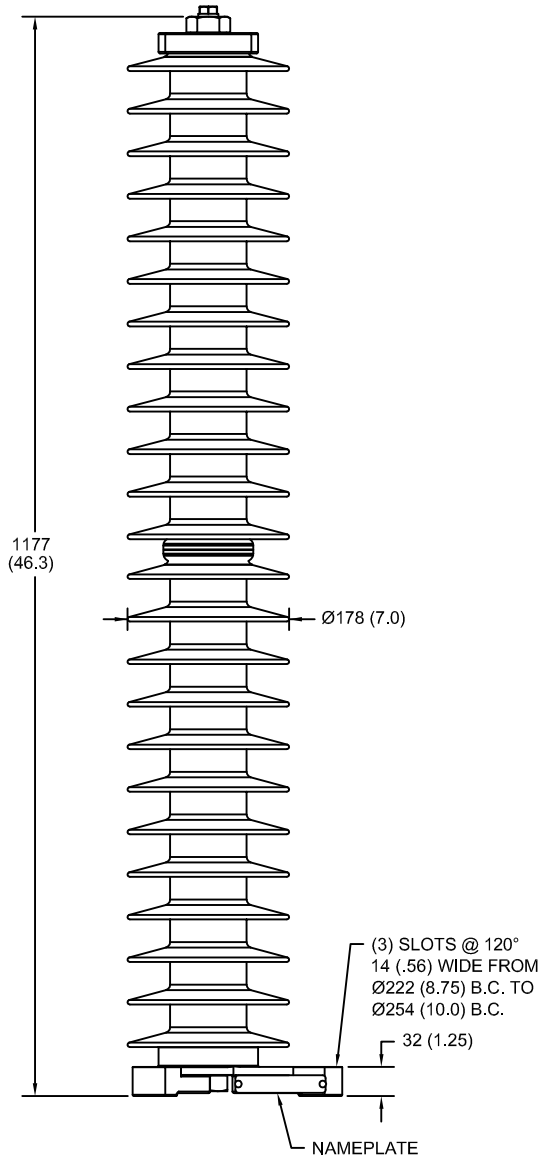
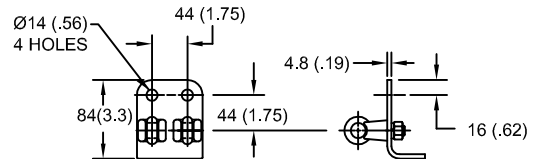


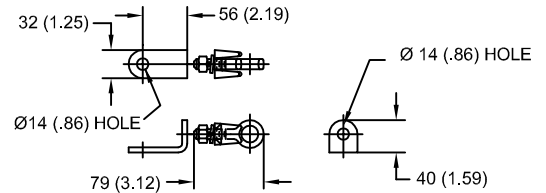


LINE TERMINAL DETAIL



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

CHARACTERISTICS

RATED VOLTAGE	90 kVrms
MCOV	70 kVrms
MASS	26.7 kg (58.9 lb)
COG ABOVE BASE	589 (23.2)
CREEPAGE DISTANCE	3124 (123.0)
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	104 kVrms
TOV 10s NO PRIOR DUTY	99.3 kVrms
TOV 1s W/PRIOR DUTY	100 kVrms
TOV 10s W/PRIOR DUTY	96.4 kVrms

CANTILEVER FORCE

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

RECOMMENDED CLEARANCE (CENTER - CENTER)

PHASE TO GROUND	602 (23.7)
PHASE TO PHASE	775 (30.5)

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 1800 m (6000 ft)
4. PACKAGED IN A CORRUGATED BOX.

.5 μ SEC 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
242	172	179	184	193	202	217	234	267

ANSI

STATION CLASS
SURGE ARRESTER

Program Revision
2011.06.7.12.40.56

REV DATE
05/03/11

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TITLE

**EVP ARRESTER
70 KV MCOV**

SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
S	112261304	EVP007000-3001	0
DO NOT SCALE THIS DRAWING	DRN BY NON	DATE 05/03/11	SHEET 1 OF 1



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