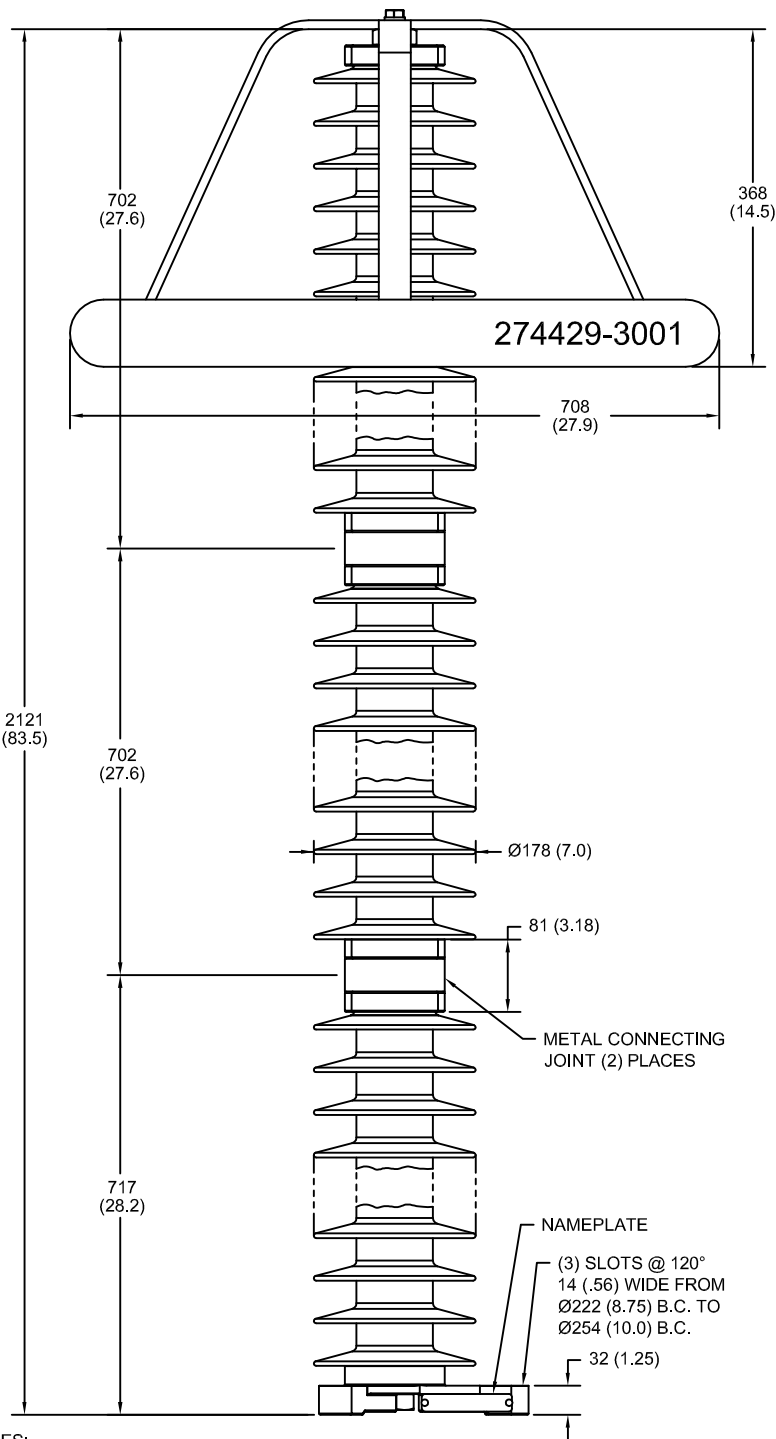




NOTES:

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 WOOD CRATE.

.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
480	343	357	366	385	403	433	468	534

ANSI

STATION CLASS
SURGE ARRESTER

Program Revision
2011.06.7.12.40.56

REV DATE
05/03/11

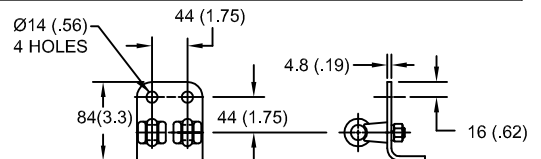
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TITLE

**EVP ARRESTER
144 KV MCOV**

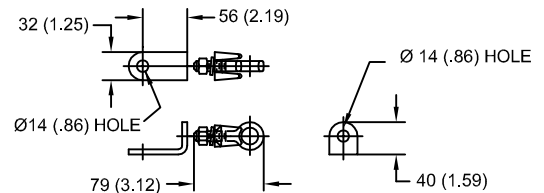
SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
S	112261314	EVP014400-3001	0
DO NOT SCALE THIS DRAWING	DRN BY NON	DATE 05/03/11	SHEET 1 OF 1

LINE TERMINAL DETAIL



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

CHARACTERISTICS

RATED VOLTAGE	180 kVrms
MCOV	144 kVrms
MASS	54.6 kg (120 lb)
COG ABOVE BASE	1139 (44.8)
CREEPAGE DISTANCE	5482 (215.8)
STRIKE DISTANCE	1753 (69.0)
LIGHTNING IMP W/S	1006 kVpk
SWITCHING IMP WET W/S	843 kVpk
POWER FREQ WET W/S	395 kVrms
TOV 1s NO PRIOR DUTY	207 kVrms
TOV 10s NO PRIOR DUTY	198 kVrms
TOV 1s W/PRIOR DUTY	200 kVrms
TOV 10s W/PRIOR DUTY	192 kVrms

CANTILEVER FORCE

MAXIMUM CONTINUOUS	256 N (58 lbs)
ULTIMATE (max pk)	1025 N (230 lbs)

RECOMMENDED CLEARANCE (CENTER - CENTER)

PHASE TO GROUND	1585 (62.4)
PHASE TO PHASE	1938 (76.3)



HUBBELL POWER SYSTEMS