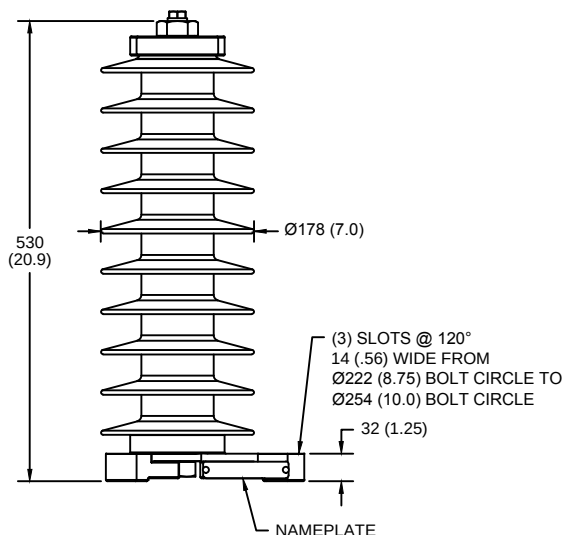
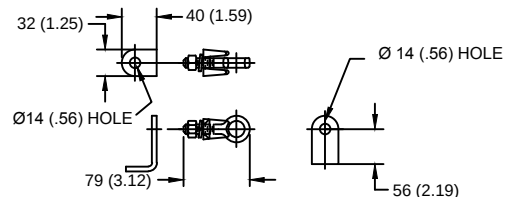


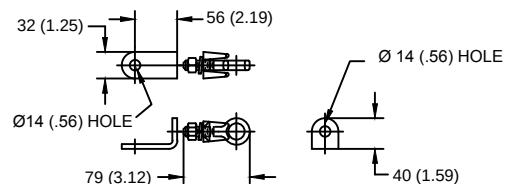


LINE TERMINAL DETAIL



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

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)	39 kVrms
MCOV (Uc)	31.5 kVrms
MASS	12.1 kg (26.6 lb)
COG ABOVE BASE	267 (10.5)
CREEPAGE DISTANCE	1294 (50.9)
STRIKE DISTANCE	455 (17.9)
LIGHTNING IMP W/S	261 kVpk
SWITCHING IMP WET W/S	219 kVpk
POWER FREQ WET W/S	125 kVrms
TOV 1s NO PRIOR DUTY	44.8 kVrms
TOV 10s NO PRIOR DUTY	42.9 kVrms
TOV 1s W/PRIOR DUTY	42.8 kVrms
TOV 10s W/PRIOR DUTY	40.4 kVrms

CANTILEVER FORCE

MAXIMUM CONTINUOUS	1843 N (414 lbf)
ULTIMATE (max pk)	3687 N (829 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	154.6 (6.1)
PHASE TO PHASE	188.4 (7.4)

NOTES:

1. DIMENSIONS IN millimeters(inches) SUBJECT TO ±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
105	74.4	77.4	79.3	83.4	87.4	93.8	101	116

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
31.5 KV MCOV**

SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
S	191064609	EVP0031003002	1
DO NOT SCALE THIS DRAWING	DRN BY	NON	DATE 05/03/11
			SHEET 1 OF 1



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