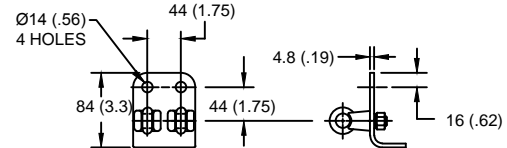
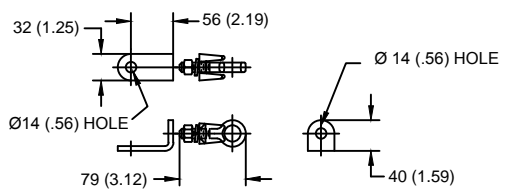


LINE TERMINAL DETAIL



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)	30 kVrms
MCOV (Uc)	24.4 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	34.7 kVrms
TOV 10s NO PRIOR DUTY	33.2 kVrms
TOV 1s W/PRIOR DUTY	33.1 kVrms
TOV 10s W/PRIOR DUTY	31.2 kVrms

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

RECOMMENDED CLEARANCE (METAL - METAL)	
PHASE TO GROUND	110.4 (4.3)
PHASE TO PHASE	138.5 (5.5)

- 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 WOOD CRATE.

.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
81.2	57.5	59.9	61.3	64.5	67.6	72.5	78.4	89.4

IEEE C62.11
 STATION-CLASS
 SURGE ARRESTER
 Program Revision
 2015.07.30.08.09.10

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TITLE
**EVP ARRESTER
 24.4 KV MCOV**

SIZE S	DWG NO. 191064533	CAT / PART / ASSY NO. EVP0024103010	REV 1
DO NOT SCALE THIS DRAWING	DRN BY NON	DATE 05/03/11	SHEET 1 OF 1

REV DATE
05/03/11

