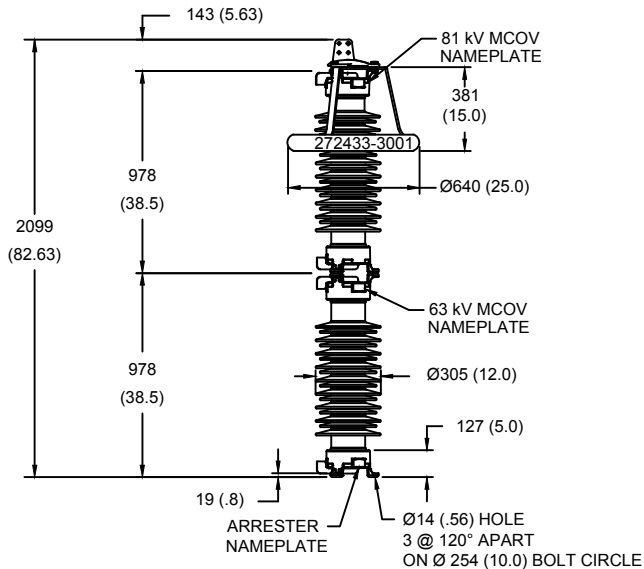
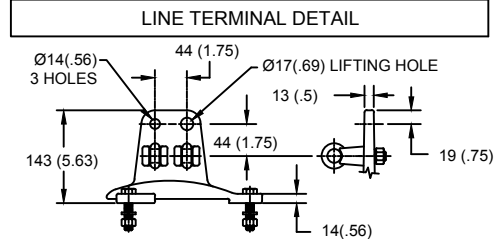
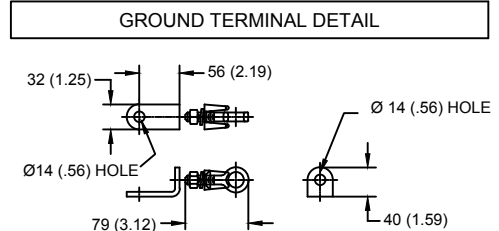




- NOTES:
1. DIMENSIONS IN millimeters(inches) SUBJECT TO $\pm 3\%$ TOLERANCE
 2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL
 3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 3650m (12000ft)



HDG 4-HOLE TERMINAL PAD, PART No. 901704001
TWO HDG TERMINALS, PART No. 2714143001
SUITABLE FOR COPPER OR ALUMINUM CONDUCTOR SIZE
Ø 7 (.25) - Ø 21 (.81)
25 - 240 sq mm
AWG#4 - 500 MCM



HDG TERMINAL BRACKET, PART No. 896064001
ONE HDG TERMINAL, PART No. 2714143001
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	180 kVrms
MCOV	144 kVrms
MASS	201kg (442lb)
CREEPAGE DISTANCE	5080 (200.0)
LIGHTNING IMP W/S	872 kV
SWITCHING IMP W/S	776 kV
POWER FREQ W/S	432 kVrms
TOV 1s	215 kVrms
TOV 10s	205 kVrms
COG ABOVE BASE	1044 (41.1)
HOUSING	GREY PORCELAIN

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	3240 N (728lbf)
ULTIMATE (UMS)	8100 N (1821lbf)

RECOMMENDED CLEARANCE (TO METAL PARTS)	
PHASE TO GROUND	818 (32.2)
PHASE TO PHASE	939 (37.0)

DISCHARGE VOLTAGE (kV) FOR INDICATED IMPULSE TYPES AND CURRENT MAGNITUDES							
FRONT OF WAVE	SWITCHING SURGE	8/20 LIGHTNING IMPULSE					
10 kA	1 kA	1.5 kA	3 kA	5 kA	10 kA	20 kA	40 kA
454	355	370	385	398	418	447	491

IEEE C62.11
STATION CLASS
SURGE ARRESTER

Program Revision
2019.05.21.02.04.15

REV DATE
09/20/13

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TITLE

**MVN ARRESTER
144 KV MCOV**

SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
S	20853429	MVN180GA144AA	1
DO NOT SCALE THIS DRAWING	DRN BY NON	DATE 04/14/11	SHEET 1 OF 1



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