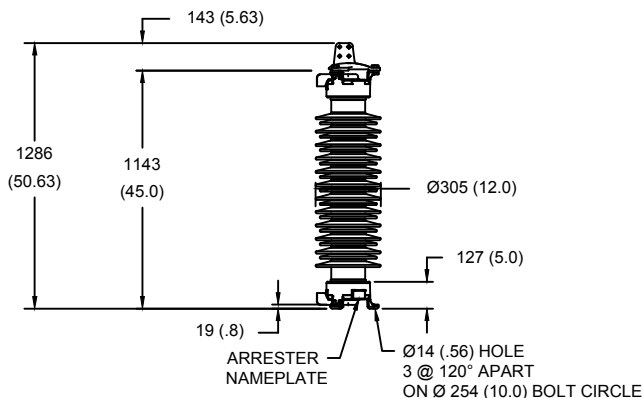




- NOTES:
1. DIMENSIONS IN millimeters(inches) SUBJECT TO ±3% TOLERANCE
2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL
3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 3650m (12000ft)

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
308	241	252	262	271	284	304	334

IEEE C62.11
STATION CLASS
SURGE ARRESTER

Program Revision
2021.04.27.02.51.45

REV DATE
09/20/13

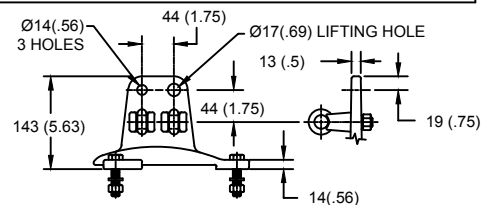
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TITLE

**MVN ARRESTER
98 KV MCOV**

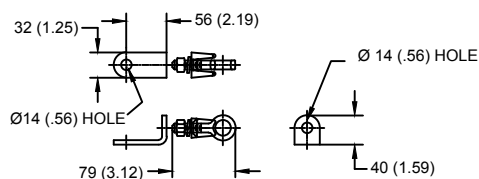
SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
S	21348501	MVN120GA098AA	1
DO NOT SCALE THIS DRAWING	DRN BY NON	DATE 04/14/11	SHEET 1 OF 1

LINE TERMINAL DETAIL



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

GROUND TERMINAL DETAIL



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	120 kVrms
MCOV	98 kVrms
MASS	119kg (263lb)
CREEPAGE DISTANCE	3207 (126.3)
LIGHTNING IMP W/S	512 kV
SWITCHING IMP W/S	442 kV
POWER FREQ W/S	300 kVrms
TOV 1s	146 kVrms
TOV 10s	139 kVrms
COG ABOVE BASE	595 (23.4)
HOUSING	GREY PORCELAIN

CANTILEVER FORCE

MAXIMUM CONTINUOUS	5288 N (1189lbf)
ULTIMATE (UMS)	13219 N (2972lbf)

RECOMMENDED CLEARANCE (TO METAL PARTS)

PHASE TO GROUND	543 (21.4)
PHASE TO PHASE	628 (24.7)



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