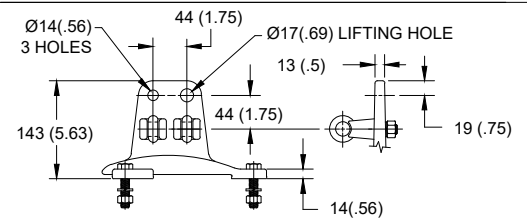


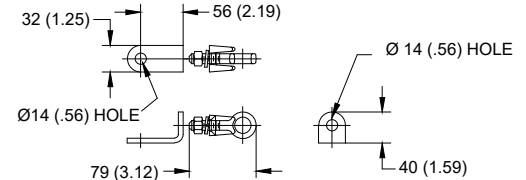


LINE TERMINAL DETAIL



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

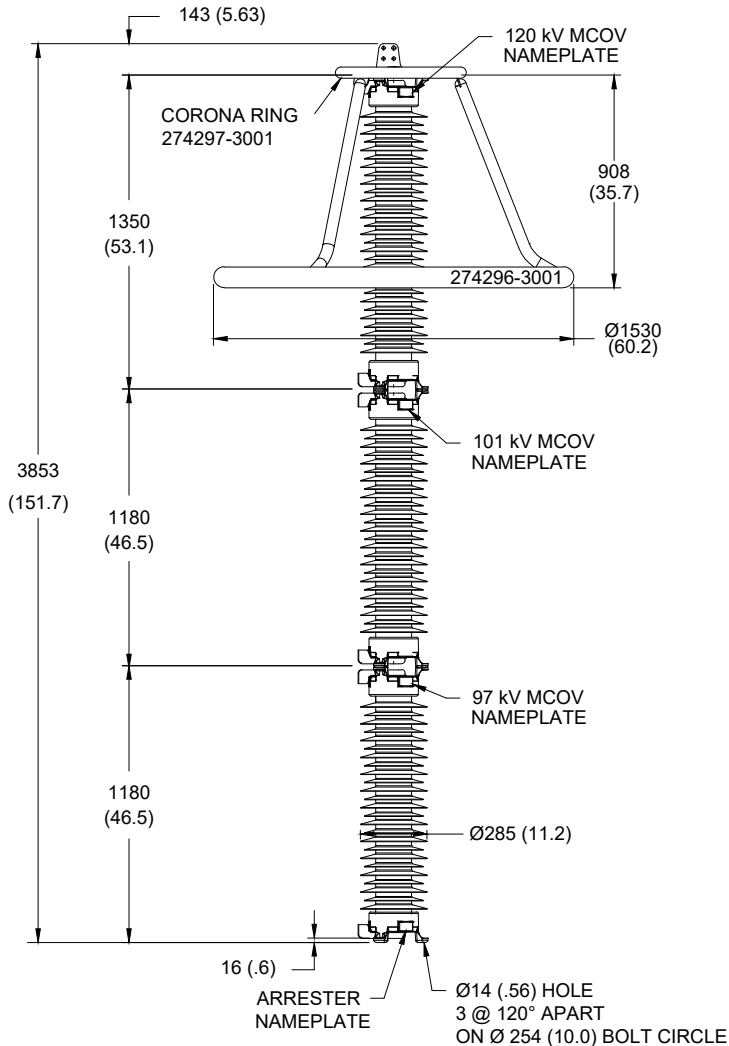
RATED VOLTAGE	396	kVrms
MCOV	318	kVrms
MASS	253 kg (557.8 lb)	
COG ABOVE BASE	2055 (80.9)	
CREEPAGE DISTANCE	11610 (457.1)	
STRIKE DISTANCE	2756 (108.5)	
LIGHTNING IMP W/S	1838	kV
SWITCHING IMP WET W/S	1612	kV
POWER FREQ WET W/S	969	kVrms
TOV 1s NO PRIOR DUTY	475	kVrms
TOV 10s NO PRIOR DUTY	454	kVrms
TOV 1s W/PRIOR DUTY	452	kVrms
TOV 10s W/PRIOR DUTY	423	kVrms
HOUSING	GREY SILICONE	
ENERGY LEVEL	Class G 13 kJ/kV - MCOV	

CANTILEVER FORCE

MAXIMUM CONTINUOUS	1038 N (233 lb-force)
ULTIMATE (UMS)	2076 N (467 lb-force)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	1900 (74.8)
PHASE TO PHASE	2161 (85.1)



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 2150m (7100ft)
4. PACKAGED IN A WOOD CRATE

MAXIMUM RESIDUAL VOLTAGE (kV)

FOW	SWITCHING SURGE		8/20 LIGHTNING IMPULSE					
	1 kA	2 kA	1.5 kA	3.0 kA	5 kA	10 kA	20 kA	40 kA
1060	785	815	808	843	876	933	1010	1112

TITLE

SVN ARRESTER 318 kV MCOV

SIZE CATALOG NUMBER

S SVN396GA318AA

REV

0

REV DATE

05-22-2025

DO NOT SCALE
THIS DRAWING

DRN BY NON

DATE
CREATED 05-22-25

SHEET 1 OF 1

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IEEE C62.11
STATION CLASS
SURGE ARRESTER