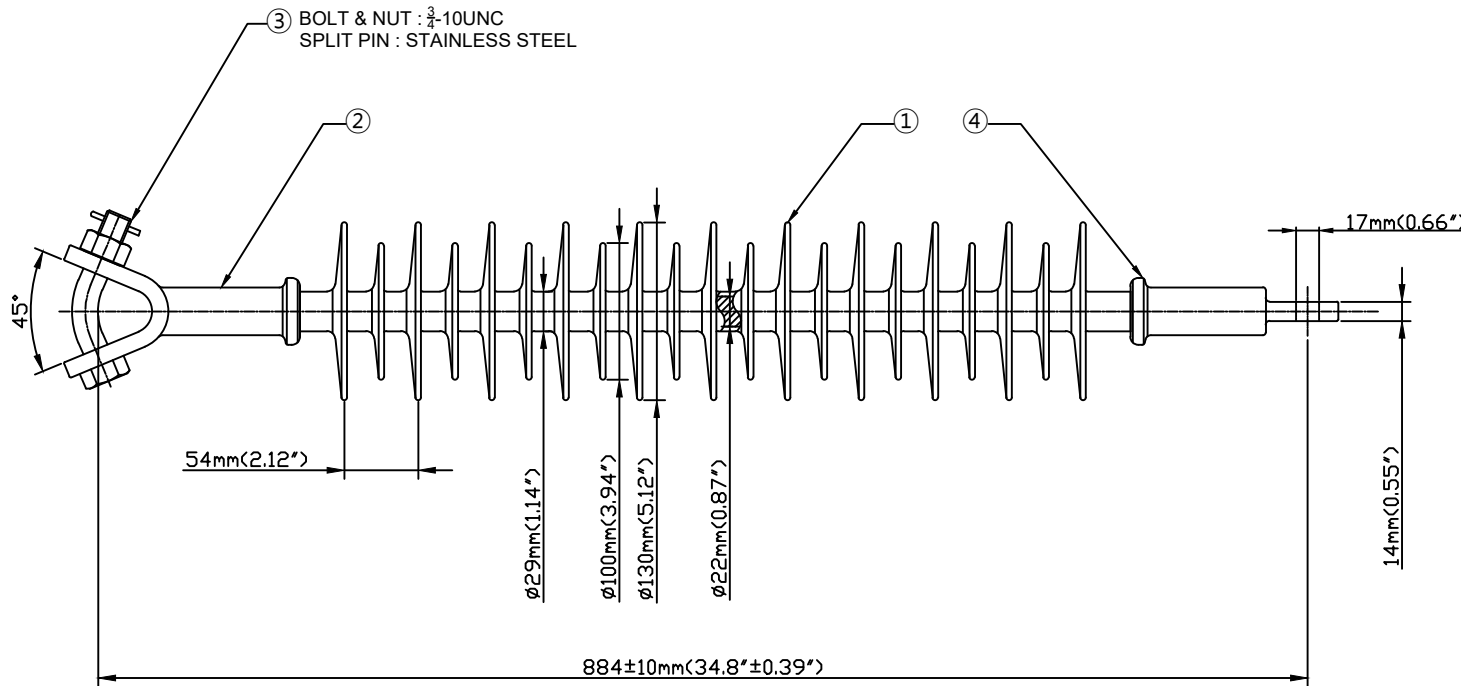


CATALOG NO. SCGL021-A2400

REVISIONS					
REV	LOCATION	NOTICE	DSN BY	APP BY	DATE
I/R		INITIAL RELEASE	B.J.KIM	C.H. PARK	11/24/2022



REQUIREMENTS:

SECTION LENGTH	884±10 mm(34.8±0.39 inches)
SPECIFIED MECHANICAL LOAD	120 kN
ROUTINE TEST LOAD RATING	60 kN
END FITTINGS DESIGN	Y-CLEVIS & TONGUE
SHEDS Q'TY	21 PCS
DRY ARCING DISTANCE	595 mm (23.43 inches)
LEAKAGE DISTANCE	2,070 mm (81.50 inches)
60 Hz DRY FLASHOVER	250 kV
60 Hz WET FLASHOVER	220 kV
CRITICAL FLASHOVER(POS)	387 kV
CRITICAL FLASHOVER(NEG)	411 kV
LIGHTNING WITHSTAND(POS)	355 kV
LIGHTNING WITHSTAND(NEG)	375 kV
WEIGHT	4.9 kG (10.80 LB)

NOTE:

1. END FITTINGS ARE MADE FROM CARBON STEEL FORGED AND GALVANIZED.
2. FIBERGLASS ROD IS MADE FROM EPOXY RESIN (ECR).
3. THE DIA. OF FRP ROD IS 22mm(0.87inches) SOLID.
4. THE TONGUE DESIGN IS ACCORDING TO 16N OF IEC 61466-1.
5. THE THICKNESS OF HOT DIP GALVANIZING SHALL BE 90 μ m(MIN).
6. HARDWARE ENDS TO BE STAMPED WITH JULIAN DATE, MANUFACTURE COMPANY(HM), SML 120kN, SCGL021-A2400,TEST 60kN.
7. THE TOLERANCE ON ALL DIMENSIONS SHALL BE AS FOLLOWS:
 $\pm(0.04d+1.5)$ mm when $d<300$ mm
 $\pm(0.025d+6)$ mm when $d>300$ mm with a maximum of 50mm

4	TONGUE, 16N	1	S45C	
3	BOLT SET	1	STS304	
2	Y-CLEVIS, 120KN	1	S45C	
1	HOUSING	1	SILICONE	
NO	PART NAME	EA	MATERIAL	DWG NO

REPLACEABLE MATERIAL		PART LISTS			
ORIGINAL DWG	COMMON TOLERANCE DECIMAL ANGLE FRACTION	DATE	11/24/2022		
		APP DIVISION	R&D Team		
		CHK BY	JS. PARK	APP BY	CH.PARK
		DWG BY	BJ. KIM	CHK BY	
		HEAT TREATMENT			
RELEVANT DWG	APPLICABLE ITEM	DWG DIVISION	R&D Team		
PART NO		CORROSION PROTECTION			
		SCALE	1:1	UNIT	mm
		WEIGHT			
		SIZE	A3	DWG NO	2010002440
		SHEET	1	OF	1

HM Corporation

TITLE
POLYMER LINE POST INSULATOR
(69KV, 120KN Transmission insulator)