



REQUIREMENTS

SECTION LENGTH	800±10mm(31.50±0.39 inches)
SPECIFIED MECHANICAL LOAD	120 kN
ROUTINE TEST LOAD RATING	60 kN
END FITTINGS DESIGN	SOCKET & BALL (IEC 16mm)
SHEDS Q'TY	19 PCS
DRY ARCING DISTANCE	595mm(23.43 inches)
LEAKAGE DISTANCE	2,070mm(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	4.4 kg(9.70lbs)
P1-P2	16.1 mm
S/P	1.05 (P1=51.6mm, P2=35.5mm, S=54mm, l=204.3mm)

NOTE:

1. END FITTINGS ARE MADE FROM CARBON STEEL CASTINGS AND GALVANIZED
2. FIBERGLASS ROD IS MADE FROM EPOXY RESIN.
3. THE DIA. OF FRP ROD IS 22mm(0.87Inches) SOLID.
4. THE SOCKET AND BALL DESIGN ARE ACCORDING TO IEC 16mm.
5. THE THICKNESS OF HOT DIP GALVANIZING SHALL BE 90 μm(MIN. AVE)
6. HARDWARE ENDS TO BE STAMPED WITH JULIAN DATE, SML 120kN, SC GL019-A6800, TEST 60kN

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DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED

X	±0.1
XX	±0.02
XXX	±0.010
ANGLES	±1°

Designed by C.H.PARK

Date 05/26/11

Part Number SCGL019-A6800

Scale N/A



69kV SILICONE TRANSMISSION INSULATOR

Filepath Q:\ENGINEERING\DRAWINGS\PART#S\SCGL019-A6800

Units INCHES Sheet 1/1