



DIMENSIONS:

- Height: 1493±30 mm.
- Min. Dry Arcing Distance: 1300 mm.
- Min. Creepage Distance: 4150 mm.
- Diameter Of The Rod: Ø18 mm.
- Coupling Dimensions: Socket/Ball 16R/16 (IEC 60120).
- Number Of Sheds: 49.

RAW MATERIALS:

- End-fitting:
 - Material: Hot Dip Galvanized Steel.
 - Minimum thickness of the galvanization: 86µm.
 - Split Pin: Stainless Steel.
- Core:
 - Material: Epoxy & Glass Fiber, Acid-Resistant type.
- Weather sheds:
 - Material: HTV Silicone .
 - Color: Gray.

MECHANICAL:

- Specified Mechanical Load (SML): 120 kN.
- Routine Test Load (RTL): 60 kN.
- Standard: IEC 61109.

ELECTRICAL:

- Rated Voltage: 145 kV.
- Power Frequency Withstand Voltage (Wet 1 Min): 270 kV.
- Lightning Impulse Withstand Voltage : 650 kV.
- Standard: IEC 61109.

						General Drawing			
Mark	Amount	Section	Modifying File NO.	Sign	Y M D				FXBW-145/120 Composite Insulator
Design		2023.10.28	Standard			Stage Mark	Weight (kg)	Ratio	
Check							4.7		145kV120-1493-20231028
Verify						1 Page in all The 1st Page			
Process			Approved						