

Composite Support Insulator Maira Es 12.5.20.197

Environment Conditions

Maximum ambient temperature	+50 °C
Minimum ambient temperature	-55 °C
Maximum humidity	100%
Altitude above sea level	2500 m
Sun-radiation	Strong
Position of installation	Outdoors

Technical Characteristics

Nominal system voltage	12.5 kV
Highest system voltage	15 kV
Nominal system frequency	50 Hz
Withstanding voltage with frequency power in 1 minute in dry conditions (to earth & between phases)	45 kV
Withstanding voltage with frequency power in 1 minute in wet conditions	30 kV
Lightning impulse flashover voltage (positive)-50%	80 kV
Lightning impulse flashover voltage (negative) -50%	90 kV
Thickness of galvanization of metal part	70 µm Zn /Al
Fittings	Cylindrical M8/M16
Material	Silicone rubber (HTV)
Specified mechanical load (bending moment)	1265,6 lbs/20 kN
Leakage distance	14.39 inch / 365 mm
Exceptional maximum bending limit	4415 lbs /20 kN
Length	7.75 inch/197 mm(+/- 5)
Weight	3.44 lbs/1.75 kg
Polluted level	II (min.2,1 cm/kV)

