

DCL

capacitive insulator with lateral connection

FEATURES

Post insulator with capacitive coupling for air insulated indoor applications.

Thanks to this capacitive coupling, it is possible, through the lateral connection, to get a signal proportional to the network voltage. This signal can be read by a voltage presence indicator box, this device will display with a light if the line is operating.

This insulator is made of red epoxy cast resin with OT58 brass fittings.

It can be supplied with a safety valve (ATS 4700) that protects the downstream circuit from overvoltage above 600V.

STANDARDS

IEC 60660, IEC 60137 (electrical tests), Enel DJ 1054 and DJ 1550 (homologation).

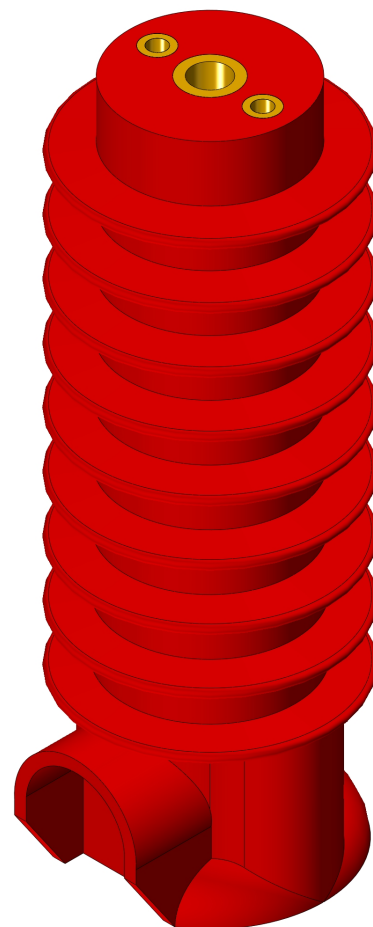
ROUTINE TESTS

- Visual and dimensional check
- Bending stress
- Glass transition temperature
- Partial discharges measurement
- Dry power frequency voltage withstand test

TESTS ON DEMAND

- Dry lightning impulse voltage withstand test
- Deflection under load at normal ambient temperature conditions (*)
- Water absorption test (*)
- Electrical characterization(*)

(*) standard for DJ 1054



Name	Drawing	Max. Operating voltage	Lightning impulse voltage withstand	Power frequency voltage withstand	Capacitance ($\pm 20\%$)	Ultimate bending stress
DCL 12	50030	12 kV	75 kV	30 kV	150 pF	4 kN
	50031					
DCL 17	50070	17.5 kV	95 kV	42 kV	150 pF	4 kN
	50071					
DCL 24	50040	24 kV	125 kV	55 kV	150 pF	3 kN
	50042					
DCL 36	50310	36 kV	170 kV	77 kV	75 pF	3 kN
	50312					
ENEL DJ 1054 HOMOLOGATION						
DCL 24/I	52054	24 kV	125 kV	55 kV	100÷700 M Ω Ed.2 -2005	3 kN
	52058					
DCL 24/3	53054	24 kV	125 kV	55 kV	100÷350 M Ω Ed.3 -2013	3 kN
	53058					

