

DC - DCP

capacitive insulator with bottom connection

FEATURES

Post insulator with capacitive coupling for air insulated indoor applications.

Thanks to this capacitive coupling, it is possible, through the bottom 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 special connection (AT 4482) on which it is possible to install a safety valve (ATS 4500) that protects the downstream circuit from overvoltage above 600V.

REFERENCE STANDARDS

IEC 60660, IEC 60137 (electrical tests)

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



Name	Drawing	Max. Operating voltage	Lightning impulse voltage withstand	Power frequency voltage withstand	Capacitance ($\pm 20\%$)	Ultimate bending stress
DC 12	50010	12 kV	75 kV	30 kV	150 pF	3 kN
DC 17	50012	17.5 kV	95 kV	42 kV		
DC 24	50013	24 kV	125 kV	55 kV		
DC 36	50021	36 kV	170 kV	77 kV	75 pF	5 kN
DCP 12	50015	12 kV	75 kV	30 kV	150 pF	
DCP 17	50017	17.5 kV	95 kV	42 kV		
DCP 24	50018	24 kV	125 kV	55 kV		
DCP 36	50019	36 kV	170 kV	77 kV	75 pF	

