

Transformer Components

1.2 kV Class Pole Mount Low Voltage Polymer Bushing

GENERAL

The primary function of a LV bushing is to physically separate the conductors from each other and to ground. Additional functions include providing mechanical support, heat dissipation and environmental protection of the conductors.

Our products offering covers both standard Low voltage porcelain & polymer bushings.

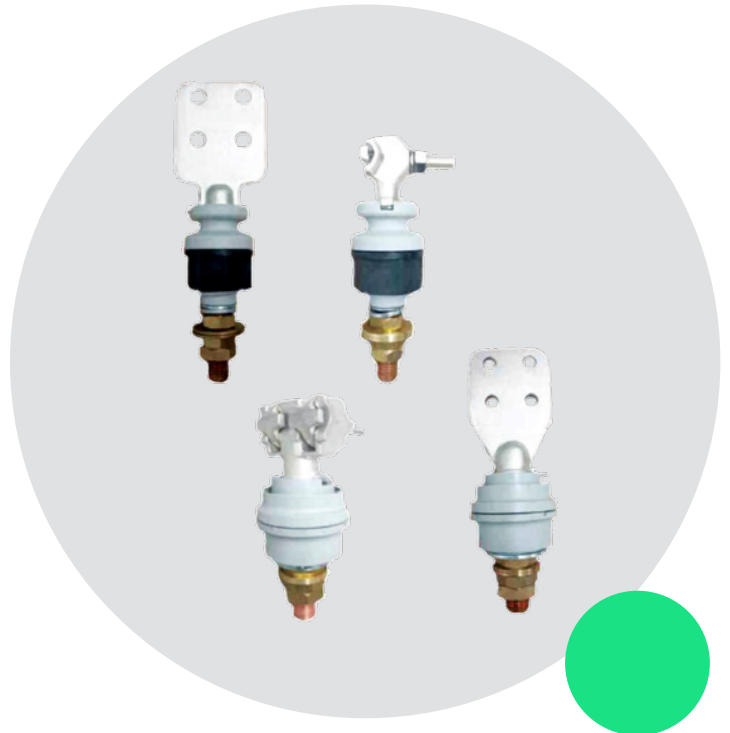
Designed to surpass the industry requirements which will enable customers to achieve better performance and maximum quality. Interchangeable parts with most polymer and ceramic bushings in the market.

Our tin-plated bronze terminals provide the best torque strength & corrosion resistance for connection to copper or aluminum.

BUSHING PERFORMANCE TEST

We conduct the following tests and guarantee the quality of our bushings. All relevant test report are available to our customers.

- Dry minimum voltage and flash-over withstand test
- Wet minimum voltage and flash-over withstand test
- Applied potential test
- Dry impulse full wave withstand test
- Cantilever bushing assembly test
- Chemical composition metallographic test and connector tin coating thickness
- Salt spray (fog) test
- Verification of dimensions and visual inspection
- Torque test to terminal and stud
- Thermal cycle test
- Material compatibility test
- Torque test to mounting nut (molded thread strenght)
- Torque test to lead connection nuts



FEATURES

Our bushings comply with the latest revisions of IEEE C57.12.20 and IEEE C57.12.00 as applicable according to electrical properties with in tables 6 and 10 respectively. Our nominal values complies with IEC 60137 and NMX-J-234-ANCE.

1.2 kV Class, 30 kVBIL, 10 kV AC withstand.

Our porcelain or polymer low-voltage bushings are tank wall mounted.

Terminal material:

- Stud: bare copper for high conductivity.
- Eyebolt & spade connectors: Copper alloy tin plated (8 microns min. plating thick).

APPLICATION FOR TERMINAL SIZES ACCORDING TO LV RATING

Item number	Terminal opening size mm (in)	Stud size (in)	Nominal current (A)	Conductor size	Single-phase KVA range for LV rating of			Three-phase kVA range for LV rating of	
					120/240	240/480	277	240Y/120/240	480Y/277/480
B1748	23.8 (0.94)	¾	800	1/0 Solid to 500 kcmil 37 stranded	75	NA	NA	225	NA
B1749	31.8 (1.25)	1	1250	2/0 Solid to 1000 kcmil 61 stranded	100	NA	NA	300	NA
B1750	Spade H	¾	800	NA	167	167-333	167	300	NA
B1747	Spade H	1	1250	NA	250	500	250	NA	500