O Plus Dry Bushings 25-230kV
No oil. No paper. No porcelain.

Overview
O Plus Dry Bushings are designed for AC applications and meet or exceed all requirements of the applicable IEEE standards, as well as withstand voltages for routine test levels required by IEC standard. There are numerous configurations of oil-filled bushings and they require careful examination for determining interchangeability. O Plus Dry Bushings have been designed to include many features to make replacing existing oil-filled bushings easier.

Specifying O Plus Dry Bushings
• Bushings must be resin impregnated synthetic (RIS)
• Bushings must have a test or voltage tap allowing for power factor testing without disconnecting the winding leads
• Bushings must not contain any paper
• Bushings must not contain oil or share oil with the transformer
• The partial discharge for bushings must be below 5 pC at 2 times maximum line-to-ground (L-G) voltage
• The C1 power factor for bushings must not exceed 0.50 percent at 20 °C

Weather sheds
ABB has developed a patented method of extruding the specially formulated HTV silicone rubber weather sheds with a helical pattern. The shed profile has been carefully designed to optimize its performance as a weather shed. It alternates small and large sheds and is self-cleaning with carefully designed angles to ensure water runs off the edge rather than around the helical profile. The bottom and top surface of each shed is tilted at a downward angle resulting in the lowest possible leakage currents, even in severe environments. The tip of each shed is well rounded and teardropped to minimizing the amount of dielectric stress which mitigates the risk of erosion.

Why ABB?
ABB is the largest transformer manufacturer worldwide with local support for components staffed by dedicated teams of sales, engineering, operations, services and support professionals.
• Proven global technology and experience
• Global supplier with local support
• The broadest component portfolio in the industry
• Unparalleled customer service support
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