

1. Record Nr.	UNISA996575616103316
Titolo	C57.12.200-2022 - IEEE Guide for the Dielectric Frequency Response Measurement of Bushings // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York, USA : , : IEEE, , 2023
ISBN	1-5044-9213-7
Descrizione fisica	1 online resource (84 pages)
Disciplina	520.727
Soggetti	Statistical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Bushings are critical components for power apparatus as their main role is to conduct current at high voltage through a grounded barrier. Statistical studies have shown that bushing defects such as water ingress and partial discharge are among the most important causes for unexpected failures. Dielectric frequency response (DFR), sometimes also known as frequency domain spectroscopy (FDS), which involves measurement of the bushing capacitance and dielectric losses over a frequency range, is an effective method to detect deterioration of bushing insulation. This guide applies to the DFR measurement of various types of bushings either in the field or in the factory except for gas-insulated bushings.