

Test Report

Customer: OBO Bettermann GmbH
Hüingser Ring 52
D-58710 Menden

Test Sample: LightningController MC 125-B/NPE

The test sample is declared as class 1 arrester for application between neutral and PE.
The maximum continuous operating voltage is $U_C = 255V_{AC}$.

Tests: Testing according EDIN VDE 0675 part 6/A1,A2 Überspannungsableiter zur Verwendung in Niederspannungsnetzen mit Nennspannungen zwischen 100V und 1000V.

Test Procedure:

- Measuring of the protection level according to § 5.18
- Conditioning according to §5.19.4 with $I_N=125kA$ at power frequency and $U_C=255V$ and $I_{pros}=100A$ eff.
- Operation duty test according to § 5.19.5 with $I_{imp}=125kA$
- Acceptance Criteria according to § 5.19.6

Results: Three samples were tested with the above mentioned parameters. The arresters reached thermal stability during the conditioning and operation duty test. The protection level of the tested samples was after the testing below the value of 2,5kV. The leakage current measured after all the test was below the value of 1 mA at a testing voltage of 255V. The samples met all the criteria in accordance with the mentioned paragraphs of the E DIN VDE 0675-6/A1.
The test of the class 1 arrester LightningController MC 125-B/NPE in accordance with § 5.19 of E DIN/VDE 0675 part 6, A1,A2 is passed.



Test Engineer
Dipl.-Ing. M. Droidner

04.02.2000
BET GmbH
Fischkuhle 39
D- 58710 Menden