



TÜRKAK
TÜRK AKREDİTASYON KURUMU
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ANKARA SERAMİK PORSELEN
SAN. VE TİC. A.Ş.
Yüksek Gerilim Laboratuvarı

1. Organize Sanayi Bölgesi Osmanlı Caddesi, No: 15
06935 Sincan / ANKARA/TÜRKİYE



Test
TS EN ISO/IEC 17025
AB-0442-T

AB-0442-T

6825T

16.09.2025

DENEY RAPORU
TEST REPORT

Müşterinin adı/adresi Customer name/address	ANKARA SERAMİK A.Ş.
Numune adı Name of test item (sample name)	ONSH 10-20 UHL1
Sipariş numarası PO (Purchase Order) No.	-
Sipariş tarihi PO (Purchase Order) date	-
Sipariş sayısı PO (Purchase Order) quantity	-
Uygulanan standart Applied standard	IEC60137
Deney sınıfı Test type	Type Test
Deneyin yapıldığı tarih Date of Test	16.09.2025
Açıklamalar Remarks	-
Raporun sayfa sayısı Number of pages of The Report	6

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Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Mühür Seal	Tarih Date	Deney Sorumlusu Person In Charge of Test	Laboratuvar Müdürü Head of Testing Laboratory
	16.09.2025	Uğur Can ÇETİNER	Oytun Mehmet KİŞ

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürlü raporlar geçersizdir.

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1. Test Conditions

Temperature: 17,9°C

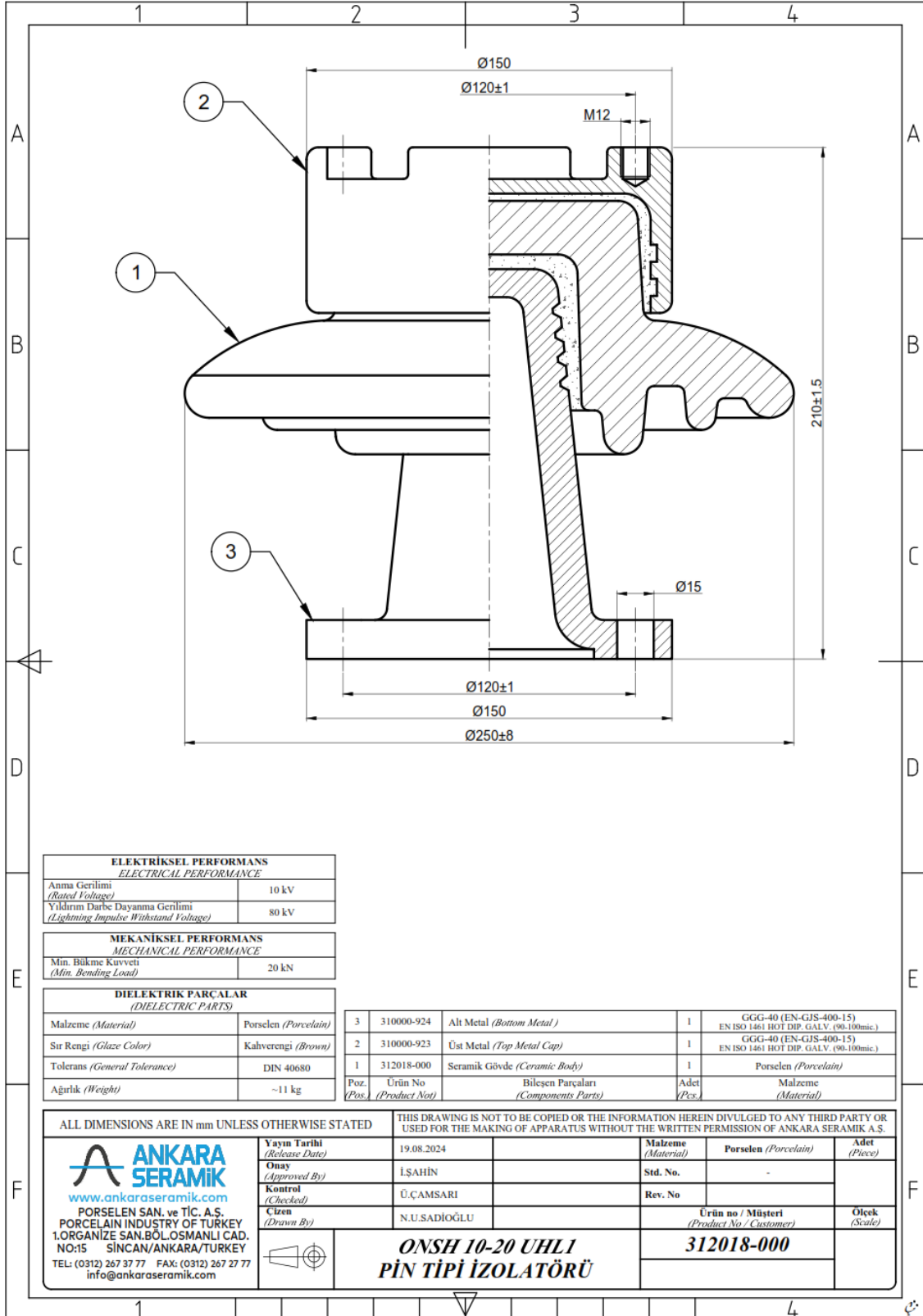
Pressure: 921,5hPa

Humidity: 31 %

2. Equipment Used

No	Equipment Name	Model-Serial Number	Calibration Certifika Number/Date
1	Lightning Impulse Withstand Voltage Test Unit	İPower Group Limited / Rohde Schwarz / 21780903/1335.8794K02-102087-İB	UME G1YG-0038 02.25
2	Mechanical Failing Load Test Unit	Ankara Seramik 14346/3494 Kod No: TL 05	UMS 2522819 04.25
3	Power-Frequency Withstand Voltage Test Unit	İPower Group Limited / Suzhou Guangchen Instruments Co.,Ltd / 21081602 / 001	UME G1YG-0039 02.25
4	Termo-Hgrometre	TFA Digital-Kod No:TL26 457279	UMS 2524894 05.25 UMS 2524895 05.25 UMS 2522816 05.25

3. Technical drawing of the tested insulator



4. Test Performed

4.2 Dry lightning impulse voltage withstand test

4.2.1 Applicability

The test is applicable to all types of bushings.

4.2.2 Test method and requirements

The magnitude of the test voltage is given in Table 3. The bushing shall be subjected to

- 15 full lightning impulses of positive polarity, followed by
- 15 full lightning impulses of negative polarity

of the standard lightning impulse 1,2/50 μ s.

4.2.3 Acceptance

The bushings shall be considered to have passed the test, if

- no puncture occurs at either polarity, and
- the number of flashovers in air does not exceed two for each series of 15 impulses; except for transformer bushings for which
- no oil-end flashover,
- not more than two flashovers in air at positive polarity, and
- no flashover in air at negative polarity

4.4 Verification of dimensions (IEC 60137 Clause 8.13)

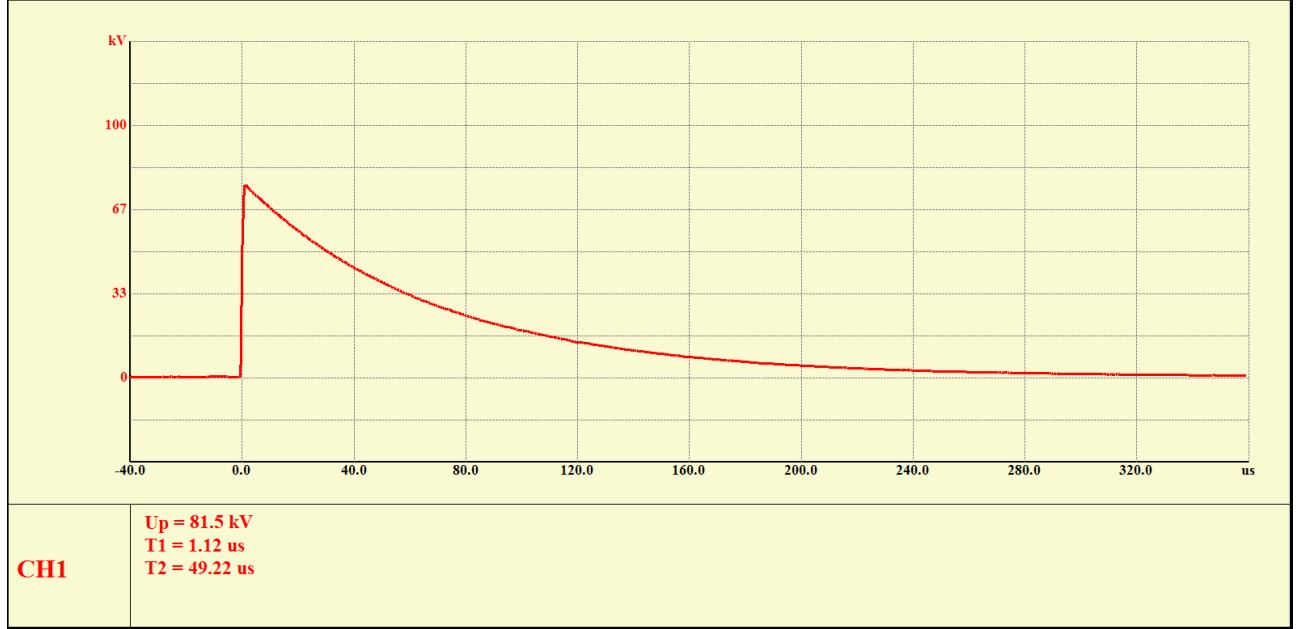
4.4.1 Applicability

This verification is applicable to all types of bushings.

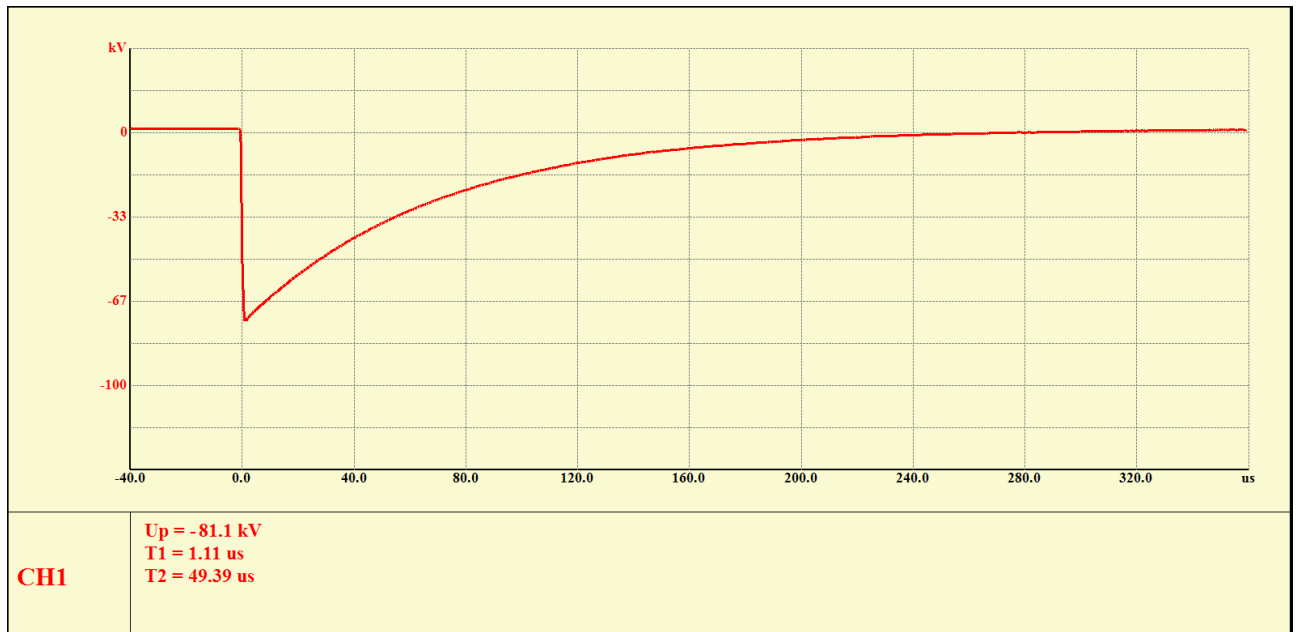
4.4.2 Acceptance

The dimensions of the bushing under test shall be in accordance with the relevant drawings, particularly with regard to any dimensions to which special tolerances apply and to details affecting interchangeability.

Positive Dry Lightning Impulse Oscilloscope Graphic



Negative Dry Lightning Impulse Oscilloscope Graphic



5. Experiment Results

Applied Test	Specified Value	Measured Value	Test Result
Dry Lightning impulse voltage withstand test (BIL)	80 kV	81,1 kV	Withstood
Verification of dimensions	IEC60137 8.13	IEC60137 8.13	Positive