

Test Report

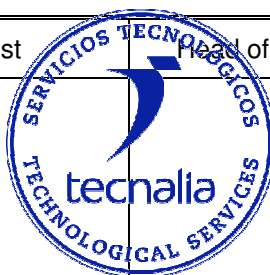
No B24-17-AZ-01E



Testing of dielectric strength

TEST SAMPLE	Enclosures for switchgear and controlgear assemblies
DESCRIPTION	See section 1
MANUFACTURER	URIARTE SAFYBOX, S.A.
CUSTOMER	URIARTE SAFYBOX, S.A. Bº Garaioltza, N° 162 48196 LEZAMA (Bizkaia)
APPLICABLE STANDARD	IEC 62208:2011
RECEPTION DATE	21 st April 2017
TEST DATE	25 th – 27 th April 2017
DATE OF ISSUE	4 th May 2017

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* The results of the current report concern only and exclusively to the material tested and at the time and conditions in which the measurements were taken.
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1. IDENTIFICATION OF THE OBJECT TO BE TESTED

Enclosures for electrical equipment of the following product ranges:

SafyBox BRES

SafyBox ART

SafyBox CA

Note: Tests are conducted on representative samples of each product range according to TECNALIA.

RANGE TYPES FOR WHICH THE TESTS ARE VALID

BRES-325	CA-1515	ART-55
BRES-325P	CA-215	ART-57
BRES-43	CA-220	ART-75
BRES-43P	CA-315	ART-77
BRES-44	CA-32	ART-105
BRES-44P	CA-33	ART-107
BRES-54	CA-42	ART-1010-2P
BRES-54P	CA-43	ART-710-2P
BRES-64	CA-43a	ART-510-2P
BRES-64P	CA-44	ART-55-IP55
BRES-65	CA-44a	ART-57-IP55
BRES-65P	CA-63	ART-75-IP55
BRES-83	CA-63a	ART-77-IP55
BRES-83P	CA-64	ART-105-IP55
BRES-86	CA-64a	ART-107-IP55
BRES-86P	CA-66	ART-1010-2P-IP55
	CA-66a	ART-710-2P-IP55
	CA-84a	ART-510-2P-IP55
	CA-86a	

2. TESTS CONDUCTED AND APPLICABLE STANDARD

Dielectric strength.

Tests are conducted in compliance with standard IEC 62208:2011 "Empty enclosures for low-voltage switchgear and controlgear assemblies".

The calculation of uncertainties of the measurements is available.

3. DIELECTRIC STRENGTH

The test is applied to insulating-material enclosures, and conformity is verified as follows:

Enclosures are placed in a moisture chamber with a relative humidity in ambient air between 91% and 95% and air temperature of $(40 \pm 2) ^\circ\text{C}$.

Samples were kept in the controlled environment for 48 h.

After pre-conditioning, a sinusoidal voltage with an effective value (in compliance with section 10.9.4 of standard IEC 61439:2011) is applied for 1 minute between two metal sheets: one of them in contact with the outer surface, and the other inside the enclosure, at the edge of the protected space.

The manufacturer specifies for these enclosures an insulation voltage of 1,500 Vdc, so the voltage applied was 5,730 Vdc.

Result: **CORRECT**. After the test, no damages are observed on the samples that might affect their subsequent use; no perforation or deflection are observed during the test.