

This Document is an English translation, performed by ORMAZABAL, of the original Technical Annex of Accreditation



(UNE-EN Standards, are the official versions of the corresponding edition of EN Standards)

SCOPE OF ACCREDITATION

ORMAZABAL CORPORATE TECHNOLOGY A.I.E.

Address: Parque Empresarial Boroa, Parcela 3A; 48340 Amorebieta-Etxano (Bizkaia) SPAIN

Is accredited by the **ENTIDAD NACIONAL DE ACREDITACIÓN**, according the criteria collected in EN ISO/IEC 17025:2005 (CGA-ENAC-LEC), for performing the following tests on:

Electrical Distribution Equipment

Category 0 (Tests in the permanent laboratory)

PRODUCT / TEST OBJECT	TEST	STANDARD / PROCEDURE
High- voltage/low voltage prefabricated substation	 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Temperature-rise tests Short-time and peak withstand current tests on main and earthing circuits: up to 80kA/3s Internal arcing test: up to 40kA/1s 	IEC 62271-202:2006. UNE-EN 62271-202:2007.
	Degrees of Protection IP: from 2X up to 4X from X3 up to X6 Degrees of Protection IK:	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR.
	from 06 up to 10	IEC 62262 :2002



Alternating current disconnectors and earthing switches	 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Partial discharge measurement: up to 100 kV and up to 2pC Temperature-rise tests Measurement of the resistance of circuits Operating and mechanical endurance tests 	IEC 62271-102:2001 IEC 62271-102: 2002 CORRIGENDUM 1 IEC 62271-102: 2003 CORRIGENDUM 2 IEC 62271-102: 2005 CORRIGENDUM 3 IEC 62271-102/A1: 2011 IEC 62271-102/A1: 2012 CORRIGENDUM 1
	Short-time and peak withstand current tests on main and earthing circuits: up to 80kA Test to prove the short-circuit making performance of earthing switches: up to 40kA	UNE-EN 62271-102:2005 UNE-EN 62271-102:2005 ERRATUM 2011 UNE-EN 62271-102/A1:2012
	Degrees of Protection IP: from 2X up to 4X from X3 up to X6 Degrees of Protection IK: from 06 up to 10	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR. IEC 62262 :2002
High-voltage switches for rated voltages above 1 kV and less than 52 kV	 from 06 up to 10 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Partial discharge measurement: up to 100 kV and up to 2pC Temperature-rise tests Measurement of the resistance of circuits Mechanical operating tests Short-time and peak withstand current tests on main and earthing circuits: up to 80kA Making and breaking tests: up to 2500MVA, 36kV 	IEC 60265-1:1998 IEC 60265-1:2000 CORRIGENDUM IEC 62271-103:2011. UNE 60265-1:2005 UNE 60265-1:2005 CORRIGENDUM
	Degrees of Protection IP: from 2X up to 4X from X3 up to X6 Degrees of Protection IK: from 06 up to 10	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR. IEC 62262 :2002



High-voltage Alternating current circuit- breakers	 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Partial discharge measurement: up to 100 kV and up to 2pC Temperature-rise tests Measurement of the resistance of circuits Mechanical operating tests Short-time and peak withstand current tests: up to 80kA Making and breaking tests: up to 2500MVA, 	IEC 62271-100:2008 UNE-EN 62271-100:2003. UNE-EN 62271-100/A1:2004 UNE-EN 62271-100:2004 ERRATUM UNE-EN 62271-100/A2:2007 UNE-EN 62271-100:2011
	36kV Degrees of Protection IP: from 2X up to 4X from X3 up to X6 Degrees of Protection IK: from 06 up to 10	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR. IEC 62262 :2002
A.C. metal- enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Partial discharge measurement: up to 100 kV and up to 2pC Temperature-rise tests Measurement of the resistance of circuits Mechanical operating tests Short-time and peak withstand current tests: up to 80kA Internal fault test: up to 40kA/1s Degrees of Protection IP: from 2X up to 4X from X3 up to X6 Degrees of Protection IK: from 06 up to 10 	IEC 62271-200: 2003 IEC 62271-200: 2011. UNE-EN 62271-200:2005 UNE-EN 62271-200:2012. IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR. IEC 62262 :2002



High-voltage switchgear and controlgear	 Dielectric tests: Power Frequency: up to 100 kV Lightning Impulse: up to 288 kV Partial discharge measurement: up to 100 kV and up to 2pC Temperature-rise tests 	IEC 62271-1:2007 IEC 62271-1/A1:2011 UNE-EN 62271-1:2009
	Measurement of the resistance of circuits Mechanical operating tests	UNE-EN 62271-1/A1:2011. UNE-EN 60694:1998. UNE-EN 60694:1999 CORRIGENDUM
	Short-time and peak withstand current tests: up to 80kA	UNE-EN 60694/A1:2002 UNE-EN 60694/A2:2002
	Degrees of Protection IP: from 2X up to 4X from X3 up to X6	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR.
	Degrees of Protection IK: from 06 up to 10	IEC 62262 :2002
	Routine tests	IEC 60076-1:1993. IEC 60076-1/A1:1999 IEC 60076-1:1997 CORRIGENDUM 1 UNE-EN 60076-1:1998. UNE-EN 60076-1/A1:2001 UNE-EN 60076-1/A1:22002
	Temperature-rise tests	IEC 60076-2:1998. IEC 60076-2:1998 ERRATUM 2006 UNE-EN 60076-2:2011.
	Dielectric tests: Separate source AC: up to 100kV Induced AC Lightning Impulse: up to 288kV 	IEC 60076-3:2000. IEC 60076-3:2000 CORRIGENDUM 1 UNE-EN 60076-3:2002. UNE-EN 60076-3:2006 ERRATUM
	Ability to withstand short circuit	IEC 60076-5:2006 UNE-EN 60076-5:2002 UNE-EN 60076-5:2008
	Degrees of Protection IP: from 2X up to 4X from X3 up to X6	IEC 60529 :2001 IEC 60529 :2003 CORR. IEC 60529 :2007 CORR.
	Degrees of Protection IK: from 06 up to 10	IEC 62262 :2002