CERTIFICADO DE CALIDAD

(The undersigned, representing the following manufacturer)

El abajo firmante, en representación de:

IDE ELECTRIC, S.L.
Polígono Industrial Los Huertos, C/Leonardo da Vinci, nº 2
50800 ZUERA (ESPAÑA)

(Declares that the products:)

Declara que los productos:

(Mark) **Marca:** IDE

Referencia *(References)***:** POL505030, POL755030, POL1005030, POL1007530, POL1007542, POL1255030, POL1257530, POL1257542.

POL505030/A, POL755030/A, POL1005030/A, POL1007530/A, POL1007542/A,POL1255030/A, POL1257530/A, POL1257542/A.

POL505030/T, POL755030/T, POL1005030/T, POL1007530/T, POL1007542/T, POL1255030/T, POL1257530/T, POL1257542/T.

(are in conformity with the provisions of the following EC directives)

Son conformes con las disposiciones de las directivas:

2014/35/EU **(Low voltage directive)**
DIRECTIVA DE BAJA TENSIÓN

(and that the standards and/or technical specifications referenced overleaf have been applied)

y que se han aplicado las normas y/o especificaciones técnicas referenciadas al reverso.

Zuera, January 16th, 2018

En Zuera, a 16 de enero de 2018

Raquel Montañés Abós: Apoderado

CERTIFICADO DE CALIDAD

(References of standards and/or technical specifications applied for this declaraction of conformity, or parts thereof)
Referencia de normas y/ o especificaciones técnicas para esta declaración de conformidad, o partes de la misma

(Harmonized standards)
- **Normas armonizadas**:

IEC 61439-1	*2011*	*Low-voltage switchgear and controlgear assemblies (on affected part)*
UNE-EN 61439-1	**2011**	**Conjuntos de aparamenta de baja tensión (en la parte que afecta)**
EN 62208	*2011*	*Empty enclosures for low-voltage switchgear and controlgear assemblies. General requirements.*
UNE-EN 62208	**2012**	**Envolventes vacías destinadas a los conjuntos de aparamenta de baja tensión. Requisitos generales.**
EN 50102	*2002*	*Protection degree against external impacts provided to electrical equipment installed in metallic enclosures*
UNE-EN 50102	**2002**	**Grados de protección proporcionados por las envolventes de materiales eléctricos contra los impactos mecánicos externos**
IEC 60529	*2001*	*Protection degree provided by enclosures (IP code)*
UNE 20324	**1993**	**Grados de protección proporcionados por las envolventes (código IP)**
IEC 60695-2-12	*2010*	*Fire Hazard Testing. Glowing hot-wire based test methods*
UNE-EN 60695-2-12	**2011**	**Ensayos relativos a los riesgos de fuego.**

(Characteristics)
- **Características:**

NOTE: The above mentioned technical data is based on the use of the distribution board and its accessories supplied by IDE, assembled accordingly to our technical and instructions guidelines.
NOTA: Las características técnicas descritas anteriormente se cumplen con el empleo de los elementos del conjunto y de los accesorios suministrados por IDE, montados y ensamblados según las correspondientes guías técnicas y hojas de instrucciones

- **Grado de protección IP 55**
  Degree of protection IP55
- **Resistencia al impacto IK 10**
  Resistance to impact IK10
- **Resistencia al hilo incandescente: 960ºC**
  Resistance to glow wire test: 960 ºC
- **Rango de temperaturas de uso**
  -50ºC/+90ºC
  Temperatura Range: -50ºC /+90ºC
- **Clase térmica 150ºC**
  Thermic class 150ºC
- **Materiales: Poliéster reforzado con fibra de vidrio**
  Material: Hot moulded fibreglass reinforced polyester (GRP)
- **Doble Aislamiento: CLASE II**
- *Double insulation: CLASS II*

Se halla en conformidad con:
It's in accordance with:

8.11 Verification of outdoor environment resistance.

This test is applied to the enclosures provided for outdoor installation.

Surface areas of synthetic material, or metallic material which is coated by synthetic material and which is exposed to an outside environment must be subjected to the following test:

UV test according to ISO 4892-2 test method A ; spray cycles of 5 minutes followed by a drying period of 25 minutes using a xenon lamp. The total test time is 500 hours.

After this test, the samples are removed from the test area.

A conformity check is carried out of the synthetic materials to verify the resistance to flexing of the material according to ISO 178 and the impact resistance according to Charpy test ISO 179. The resistance in both cases must be higher than 70%. Following this test, the samples must be subjected to glow wire according to section 8.8.3. The adhesion of the protective coating of metal enclosures (according to ISO 2409) must have a minimum retention of 50%.

The samples must not show, without use of augmentation systems, any signs of cracks or other damage.

Any exposed areas of connexion must also be verified to ensure they are correctly connected to their corresponding protective device by using the following test described in part 8.10.

8.12 Verification of the resistance to corrosion.

Metal enclosures and external metal parts of insulated enclosures and combined enclosures, must be tested to verify that they are protected against corrosion.

If is not possible to test to the whole enclosure, then the material used for the construction of the enclosure should be used for testing; material, thickness, coating or covering, etc. In all cases the hinges, locks and locking devices must be tested.

The enclosure subjected to the tests must be assembled as for normal use according to the manufacturer's instructions.

The enclosure or samples used must be new and clean.

8.12.3 Enclosures or metal parts used for outdoor installation.

12 cycles of 24 hours per cycle of warm air according to the CEI 60068-2-30 normative at 40ºC in a relative humidity of 95%.

14 cycles of 24 hours per cycle during the saline mist test according to CEI 60068-2-11 normative at 35ºC ± 2ºC.

8.12.4 Results expected.

Following the tests, the enclosure or samples tested must be washed with running water for 5 minutes and then rinsed with distilled or demineralised water. Following this, they must be dried or subjected to an air flow to eliminate the drops of water. Finally, the enclosure or samples tested must be left for 24 hours under normal conditions.

Visual verification is made and the following aspects are checked:

- No signs of corrosion, cracks or other signs of deterioration. However, deterioration in the finishing of the protective surface is permitted. In the event of any doubt, use the ISO 4628-3 to verify that the samples are correct compared with the sample Ri1.
- The seals must not be damaged.
- The doors, hinges and locks and other entry points work correctly with no anomalies.

Any exposed areas of connexion must also be verified to ensure they are correctly connected to their corresponding protective device by using the following test described in part 8.10.

Los armarios de la serie GLASS no se oxidan y las propiedades mecánicas no se deteriorarán en las condiciones antes mencionadas. Aunque no existen normas específicas para comprobar la vida útil de los recintos, se estima que, en condiciones normales, la durabilidad es de treinta años. Recomendamos realizar un mantenimiento anual con el fin de controlar el estado de las bisagras, tornillos, junta y componentes generales

The GLASS enclosures will not rust and the mechanical properties will not deteriorate under the above mentioned conditions. Although there are no specific standards to verify the lifespan of the enclosures, it is estimated that under standard conditions, said lifespan will be around thirty years. We also recommend yearly maintenance in order to control the condition of the hinges, screws, gasket and general components.