TEST REPORT IE-ITE-250225-01/EN

Customer:	Portalámparas y accesorios Solera, S.A.U.
Address:	Polígono Industrial Fuente del Jarro – C/ VILLA DE MADRID, 53 46988 Paterna (Valencia)

Sample identification:	Industrial distribution boxes
Receipt date:	01/04/2025
Test date/s:	Between 01/04/2025 to 09/04/2025

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Authorized signatory/ies:

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Responsible for sub-area of security testing

ENAC
ENSAYO
ISO 17025
Nº237 / LE554

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1. GENERAL INFORMATION

1.1 Guarantees

The Instituto Tecnológico de la Energía (**ITE**) guarantees the total confidentiality of the data reported in this document as the results of the tests carried out according to the conditions described

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4. This test report only applies to the tests requested as reported in this document.

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11. Possible test verdict:

Not apply (NA): The test doesn't apply to the device under test

For qualitative tests:

- **PASS (P)**: Device under test meets the requirements
- **FAIL (F)**: Device under test doesn´t meet the requirements

For quantitative tests, the decision rule used is based on a non-binary acceptance base on guard band w=U defined in the guide ILAC-G8, where U is the expanded measurement uncertainty:

- **PASS (P):** The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.
- **CONDITIONAL PASS (CP):** The measured values were observed in tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values exceeded tolerance. When the measured result is close to the tolerance, the specific false accept risk is up to 50%.
- **CONDITIONAL FAIL (CF):** One or more measured values were observed out of tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values were in tolerance. When the measured result is close to the tolerance, the specific false reject risk is up to 50%.
- **FAIL (F):** One or more measured values were observed out of tolerance at the points tested. The specific false reject risk is up to 2.5%.

2. SAMPLE DATA

Sample ref.	Manufacturer[1]	Trademark[1]	Model[1]	Serial no.	Reference[1]
ME-ITE-250225-01	Portalámparas y accesorios Solera, S.A.U.	SOLERA	VERA	-	V24
ME-ITE-250225-02	Portalámparas y accesorios Solera, S.A.U.	SOLERA	VERA	-	V24
Detail description:		Industrial distribution boxes.			

See Annex B with pictures of the sample.

[1] Information supplied by customer.

3. TEST METHOD

- UNE-EN IEC 62208:2024
  Envolventes vacías destinadas a los conjuntos de aparamenta de baja tensión. Requisitos generales.

- EN IEC 62208:2023
  Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements

- IEC 62208:2023
  Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements

4. TEST PERFORMED

Electrical safety tests for empty enclosures for low-voltage switchgear and controlgear assemblies.

Test No.	Description	Section of standard	Verdict
1	**Thermal power dissipation capability, 37 W (ME-ITE-250225-01)**	9.15	P

See Annex A (test results)

Test have been performed by:

- Carles Xavier Sanchis Martí.

4.1 TEST METHOD DEVIATION, ADDITION, OR EXCLUSION

Not applicable.

4.2 TESTING LOCATION

The tests have been carried out at the facilities of the Instituto Tecnológico de la Energía (ITE) sitas en Av. Juan de la Cierva, 24, Parque Tecnológico de Valencia, 46980 Paterna (Valencia) – España.

4.3 ADITIONAL INFORMATION

Sections marked with (#) which are not covered under the ENAC accreditation corresponding to the file 237/LE554 are:

- Section 9.13 (resistance to ultra-violet (UV) radiation).

Note: expanded measurement uncertainty is estimated using a coverage factor of k=2, which gives a level of confidence of approximately 95%. They have been estimated from the contributions established in the corresponding identified test procedures.

(#) The following information, if applicable, has been provided by the applicant:

- Drawings
- Schematics
- Specification sheet(s)
- Others (specify): manufacturer, trademark, model and reference.

4.4 ENVIRONMENTAL CONDITIONS

Unless otherwise indicated, tests are carried out under normal operating conditions:

- *Temperature range:* 23 °C ± 5 °C
- *Relative humidity:* < 70%

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ANNEX A. TEST RESULTS

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1. THERMAL POWER DISSIPATION CAPABILITY

ME-ITE-250225-01				Result	Verdict
Section	Description				
9.15	Considered parts	Temperature-rise		Determination by test 37 W	P
		Measured	Maximum allowed		
	Ambient temperature right	25,18 ±1,40	-		
	Ambient temperature left	27,75 ±1,40	-		
	Accessible top of the enclosure	36,59 ±2,48	40		
	Compliance: The measured heating must not exceed the maximum permissible limit.				
Observations:					

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ANNEX B. PHOTOGRAPHS OF THE SAMPLES

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Annex B. Photographs of the samples

Photography 1: ME-ITE-250225-01

Photography 2: ME-ITE-250225-01

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