

Test Report

Nº B24-17-AH-01E



Degree of protection test IPX8

TEST SAMPLE	Painted steel and stainless steel enclosures
MODEL	LUXOR MVAB101030/68
REQUESTED BY	Delvalle Global Solutions, S.L.U.
MANUFACTURER	Delvalle Global Solutions, S.L.U.
STANDARD	C/ Paseo el Prao.6 (01320) OYON – ALAVA - ESPAÑA
RECEPTION DATE	IEC 62208:2011
TEST DATE	21 st - 28 th March 2017
ISSUE DATE	12 nd April 2017

Test Chief	Head of Electrical Equipment Laboratory
<p>A circular blue seal with the text 'SERVICIOS TECNOLÓGICOS' at the top and 'TECNOLÓGICAL SERVICES' at the bottom. In the center is the 'tecnalia' logo, which consists of a stylized blue 'S' shape above the word 'tecnalia' in a lowercase, sans-serif font.</p>	
Endika Mendiola	Luis Martínez

* The present report refers only and exclusively to the sample tested and at the moment and conditions in which the measurements were made.
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1. IDENTIFICATION AND CHARACTERISTICS OF TEST SAMPLE

LUXOR cabinets (range entire of manufacturing)

From the detailed study of the range of manufacturing Tecnalía has selected the sample that has considered representative of this range.

Tested reference: LUXOR MVAB101030/68

The results obtained on these samples are considered applicable to all the references that make up each range and are collected below.

CABINETS LUXOR

	A (alto)	B (ancho)	C (fondo)	Bisagras	Tornillos lateral	Tornillos sup. / inf.	Pernos Placa
MVAB302015/68	300	200	155	2	2	0	4
MVAB383015/68	380	300	155	2	2	1	4
MVAB383021/68	380	300	210	2	2	1	4
MVAB603815/68	600	380	155	3	3	2	6
MVAB603821/68	600	380	210	3	3	2	6
MVAB404021/68	400	400	210	2	2	2	4
MVAB504021/68	500	400	210	3	3	2	6
MVAB505021/68	500	500	210	3	3	3	8
MVAB705021/68	700	500	210	3	3	3	8
MVAB605021/68	600	500	210	3	3	3	8
MVAB606021/68	600	600	210	3	3	3	8
MVAB606030/68	600	600	300	3	3	3	8
MVAB806030/68	800	600	300	4	4	3	8
MVAB808030/68	800	800	300	4	4	4	8
MVAB108030/68	1000	800	300	4	4	4	8
MVAB128030/68	1200	800	300	5	5	4	8
MVAB101030/68	1000	1000	300	4	4	4	8
MVAB121030/68	1200	1000	300	5	5	4	8
MVAB121230/68	1200	1200	300	5	5	5	8

2. TEST FACILITIES ADDRESS

The test has been performed in the applicant facilities.

3. TESTS PERFORMED. STANDARD

Tests for degree of protection IPX8 according to IEC 62208:2011 "Empty enclosures for low-voltage switchgear and controlgear assemblies. General requirements".

A calculation of uncertainties for all measurements carried out is available.

4. PROTECTION AGAINST DETRIMENTAL ENTRY OF WATER (IPX8)

Unless there is a relevant product standard, the test conditions are subject to agreement between manufacturer and user, but they shall be more severe than those prescribed in 14.2.7 and they shall take account of the condition that the enclosure will be continuously immersed in actual use.

- a) The lowest point of enclosures with a height less than 850 mm is located 1 000 mm below the surface of the water;
- b) The highest point of enclosures with a height equal to or greater than 850 mm is located 150 mm below the surface of the water;
- c) The minimum duration of the test is 30 min;
- d) The water temperature does not differ from that of the equipment by more than 5 K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion.

Ambient conditions: 16 °C to 19 °C – 33 % to 40 % HR – 101 to 102.3 kPa.

Water temperature: 16 °C to 19 °C Sample temperature: 16 °C to 19 °C

Duration of test requested by manufacturer: 7 days

RESULT. **CORRECT.** No water entry is observed inside the sample.