

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product

AUTO-TRANSFORMER

Name and address of the applicant

MANUMAG, S.L.  
PI LAS NORIAS, CL/ ALCALDE ANTONIO BARRIENDOS, S/N  
50450 MUEL (Zaragoza - Spain)

Name and address of the manufacturer

SAME AS ABOVE

Name and address of the factory

SAME AS ABOVE

Note: When more than one factory, please report on page 2

 Additional Information on page 2

Ratings and principal characteristics

SEE ANNEX

Trademark (if any)

MANUMAG

Customer's Testing Facility (CTF) Stage used

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Model / Type Ref.

SEE ANNEX

Additional information (if necessary may also be reported on page 2)

 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 61558-1:2017  
IEC 61558-2-13:2022

As shown in the Test Report Ref. No. which forms part of this Certificate

2026030090B1

This CB Test Certificate is issued by the National Certification Body

AENOR CONFÍA S.A.U.  
CI Génova, 6  
ES-28004 MADRID (SPAIN)

Date: 2026-04-30

Signature: Rafael GARCÍA MEIRO  
CEO

# ANNEX TO CB CERTIFICATE N° ES2394-M2-AENOR

## CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

### AUTO-TRANSFORMER

Type reference	Trade mark	Rated primary and secondary voltages, and frequency	Rated power or secondary current	Protection against electric shock (class)	Rated ambient and windings temperatures (ta and tw)	Short-circuit withstand / safe under faults	Further data
XR Series 220/380/440/480 V	MANUMAG	3 x 220/380/440/480 V~; 50/60 Hz	1 - 300 kVA	Class I	ta = 25 °C; windings insulation class F / H	Not shortcircuits withstand; fuse protection	Intermittent service, IP 23, Yn, Ucc: 1,4 - 6,8 %
XR Series 220/380/460/480 V	MANUMAG	3 x 220/380/460/480 V~; 50/60 Hz	1 - 300 kVA	Class I	ta = 25 °C; windings insulation class F / H	Not shortcircuits withstand; fuse protection	Intermittent service, IP 23, Yn, Ucc: 1,4 - 6,8 %
XR Series 220/380/480 V	MANUMAG	3 x 220/380/480 V~; 50/60 Hz	1 - 300 kVA	Class I	ta = 25 °C; windings insulation class F / H	Not shortcircuits withstand; fuse protection	Intermittent service, IP 23, Yn, Ucc: 1,4 - 6,8 %