

CERTIFICATE

Issued to:

Applicant:

GACIA ELECTRICAL APPLIANCE CO., LTD.
No.1 Nanxijiang Road, Daqiao Industrial Zone,
Beibaixiang Town, Yueqing
325603 Zhejiang, China

Licensee:

GACIA ELECTRICAL APPLIANCE CO., LTD.
No.1 Nanxijiang Road, Daqiao Industrial Zone,
Beibaixiang Town, Yueqing
325603 Zhejiang, China

Product : Residual current operated circuit-breakers with integral overcurrent protection (RCBO)
Trade name(s) : GACIA
Type(s)/model(s) : HL8M2, HL8M4, NL8M2, NL8M4, PL8M2 and PL8M4

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 61009-1:2012, EN 61009-1:2012/A1:2014, EN 61009-1:2012/A2:2014, EN 61009-1:2012/A11:2015, EN 61009-1:2012/A12:2016, EN 61009-1:2012/A13:2021, EN 61009-2-1:1994, EN 61009-2-1:1994/A11:1998, IEC 61009-1:2010, IEC 61009-1:2010/AMD1:2012, IEC 61009-1:2010/AMD2:2013 and IEC 61009-2-1:1991
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2157361

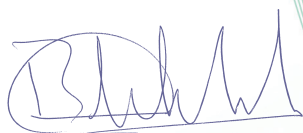
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 24 April 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-156628

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Massimiliano Triulzi
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Residual current operated circuit-breakers with integral overcurrent protection (RCBO)
Trade name(s)	: GACIA
Type(s)/model(s)	: HL8M2, HL8M4, NL8M2, NL8M4, PL8M2 and PL8M4
Number of poles	: 2P and 4P
Rated current (In)	: 6, 10, 13, 16, 20, 25, 32, 40 A
Rated residual current (I Δ n)	: 0,03, 0,1, 0,3 A
Classification of rcbos functionally dependent on the line voltage	: No
Rated voltage (Un)	: 230 Vac for 2P, 400 Vac for 4P
Rated frequency (Hz)	: 50 Hz
Behaviour to d.c. Components	: Type A
Time delay	: Without time delay
Range of instantaneous tripping overcurrent	: B and C type
Rated short-circuit capacity (Icn)	: 6 kA or 10 kA for 6 - 20 A, 6 kA for 25 - 40 A
Rated service short-circuit capacity (Ics)	: 6 kA or 7,5 kA for 6 - 20 A, 6 kA for 25 - 40 A
Rated residual making and breaking capacity (I Δ m)	: 3 kA
Energy limiting class	: Class 3
The grid distance "a"	: 45 mm
Ambient air temperature	: -25 °C ... + 40 °C
Reference calibration temperature	: 30 °C

TESTS**Test requirements**

EN 61009-1:2012
EN 61009-1:2012/A1:2014
EN 61009-1:2012/A2:2014
EN 61009-1:2012/A11:2015
EN 61009-1:2012/A12:2016
EN 61009-1:2012/A13:2021
EN 61009-2-1:1994
EN 61009-2-1:1994/A11:1998
IEC 61009-1:2010
IEC 61009-1:2010/AMD1:2012
IEC 61009-1:2010/AMD2:2013
IEC 61009-2-1:1991

Test result

The test results are documented in DEKRA test file 333222800.

Additional information

The referred test report is 3332228.50.

This certificate replaces certificate No. 33-147121 which we hereby declare invalid.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

GACIA ELECTRICAL APPLIANCE CO., LTD.

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