

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) : N8LBE and N8LBM

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

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

- 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

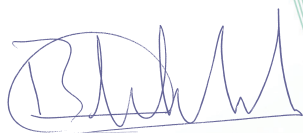
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 9 January 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-134673

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.L. Schendstok
Certification Manager

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ACCREDITED BY THE
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)	: N8LBE and N8LBM
Number of poles	: 1P+N
Number of protected poles	: 1 protected pole
Rated current (In)	: 6, 10, 16, 20, 25, 32, 40 A
Rated residual current (I Δ n)	: 30, 100, 300 mA for type A, 30, 100, 300, 500 mA for type AC
Classification of rcbos functionally dependent on the line voltage	: No
Rated voltage (Un)	: 230 Vac
Rated frequency (Hz)	: 50 Hz
Behaviour to d.c. Components	: Type A and AC
Time delay	: Without time-delay
Range of instantaneous tripping overcurrent	: B, C and D type
Rated short-circuit capacity (Icn)	: 10 kA and 6 kA
Rated service short-circuit capacity (Ics)	: 7,5 kA and 6 kA
Rated residual making and breaking capacity (I Δ m)	: 3 kA
Energy limiting class	: Class 3 for type B and C
Safety distance "a" (grid)	: 50 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 laid down in DEKRA test file 332994200.

Additional information

The referred test reports are 3329942.50, 3328147.50 and LCIE CB certificate no. FR_708411 with CB test report no. B200005.

This certificate replaces certificate No. 33-115335 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

GACIA ELECTRICAL APPLIANCE CO., LTD.

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