

CERTIFICATE

Issued to:

Applicant:

GACIA ELECTRICAL APPLIANCE CO., LTD
545# Dongdajie, Baitawang Industrial Zone,
Beibaixiang Yueqing Zhejiang, 325603, China

Manufacturer/Licensee:

GACIA ELECTRICAL APPLIANCE CO., LTD
545# Dongdajie, Baitawang Industrial Zone,
Beibaixiang Yueqing Zhejiang, 325603, China

Product(s) : circuit-breakers for overcurrent protection
Trade name(s) : GACIA
Type(s)/model(s) : PB8H, PB8HN, PB8HQ, PB8H2, PB8N, PB8NN, PB8NQ, PB8N2, PB8LN, M80H,
M100(M80)

The product and any acceptable variation thereto is 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 the standard EN 60898-1:2003 + A1:2004 + A11:2005 + A12:2008, IEC 60898-1:2002 + A1:2002 + A2:2003;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a 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 of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

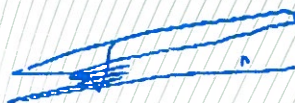
This certificate is issued on: 15 November 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3305490.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.S. Strikwerda
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	circuit-breakers for overcurrent protection
trade name(s)	:	GACIA
type(s)	:	M100(M80), M80H, PB8H, PB8H2, PB8HN, PB8HQ, PB8LN, PB8N, PB8N2, PB8NN, PB8NQ
rated current (In)	:	1, 2, 3, 4, 5, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A
range of instantaneous tripping current	:	B, C, D
number of poles	:	1P, 2P, 3P, 4P
protect poles	:	1P, 2P, 3P, 4P
rated voltage (Un)	:	230/ 400 Vac (1P), 400 Vac (2P, 3P, 4P)
rated frequency	:	50/ 60 Hz
rated service short-circuit capacity (Ics)	:	7500 A
rated short-circuit capacity (Icn)	:	10000 A
rated making and breaking capacity of individual pole (Icn1)	:	10000 A
energy limiting class	:	Class 3 for B and C type 1 A to 40 A circuit breaker
method of mounting	:	flush-type, for mounting on top hat rail 35 mm (EN 50022)
degree of protection against moisture	:	ordinary
connection	:	screw type terminals
markings	:	trade name, type designation and electrical ratings are indicated on the body
safety distance "a"	:	45 mm

TESTS**Test requirements**

EN 60898-1:2003 + A1:2004 + A11:2005 + A12:2008

IEC 60898-1:2002 + A1:2002 + A2:2003

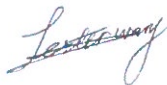
Test result

The test results are laid down in DEKRA test file 3305490.01 and reports no. 3305490.50, 3303230.50, 3302398.50 and W0807018.50.

Conclusion

The examination proved that all test requirements were met.

Tested by : Lester Wang

A handwritten signature in black ink, appearing to read 'Lester Wang'.

Checked by : Eric Wang

A handwritten signature in black ink, appearing to read 'Eric Wang'.**Factory locations**

GACIA ELECTRICAL APPLIANCE CO., LTD

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