



# CB TEST CERTIFICATE

Ref. Certificate No.

NL-24489

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

Issued by:	DEKRA Certification B.V.		
Product:	circuit breakers for overcurrent protection		
Applicant:	LSIS Co., Ltd.	Beakbong-ro 95, Heung deok-gu, Cheongju-si, Chungcheongbuk-do	Korea, Republic of
Manufacturer:	LSIS Co., Ltd	Beakbong-ro 95, Heung deok-gu, Cheongju-si, Chungcheongbuk-do	Korea, Republic of
Factory:	Shanghai Yongji Electrical Co., Ltd.	No.2239, South Jinshi Road, Jinshan Wei Town, Shanghai	China
Rating and principal characteristics:	Ue: 240 / 415 Vac (1P), 240 Vac (1P+N), 415 Vac (2P, 3P, 3P+N, 4P), N pole does not have protection In: 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A B, C and D Type Ics = 7500 A Icn = Icn1 = 10000 A Uimp = 4 kV		
Trade mark (if any):	LS		
Model/Type reference:	BKN-b, BKM-b		
Additional information:	Energy limiting class 3 for B and C type 1 A to 40 A circuit breaker		
Sample of product tested to be in conformity with IEC:	60898-1(ed.1);am1;am2		
Test Report Ref. No:	3303327.50		

This CB Test Certificate is issued by the National Certification Body:

DEKRA Certification B.V.  
Utrechtseweg 310  
P.O. Box 5185  
6802 ED Arnhem  
The Netherlands



Signed by: F.S. Strikwerda

Date of issue: 2012-11-26

# CERTIFICATE

Issued to:  
Applicant:  
**LSIS Co., Ltd.**  
**Beakbong-ro 95, Heung deok-gu, Cheongju-**  
**si, Chungcheongbuk-do, Korea**

Manufacturer/Licensee:  
**LSIS Co., Ltd.**  
**Beakbong-ro 95, Heung deok-gu, Cheongju-**  
**si, Chungcheongbuk-do, Korea**

Product(s) : circuit breakers for overcurrent protection  
Trade name(s) : LS  
Type(s)/model(s) : BKN-b, BKM-b

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 2157168

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: 26 November 2012 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3303327.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

© Integral publication of this certificate is allowed

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	circuit breakers for overcurrent protection
trade name(s)	:	LS
type(s)	:	BKN-b, BKM-b
rated current (In)	:	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A
range of instantaneous tripping current	:	B, C, D
number of poles	:	1P, 1P + N, 2P, 3P, 3P+N, 4P
protected poles	:	1P, 1P, 2P, 3P, 3P, 4P (N pole does not have protection)
rated voltage (Un)	:	240 / 415 Vac (1P), 240 Vac (1P + N), 415 Vac (2P, 3P, 3P + N), 4P
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
temperature limit	:	-5 °C ... + 40 °C
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

**Additional information**

Structure of the type designation:

BKN-b and BKM-b 1) 2) 3)

1) range of instantaneous tripping current B, C or D

2) rated current: 1, 2, 3, 4, 6, 10, 16, 20, 25, 40, 50, 63 A

**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 3303327.01 and report 3303327.50.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : Lester Wang



Checked by : Eric Wang

**Factory locations**

Shanghai YongJi Electrical Holding Co. Ltd.

No.2239, South Jinshi Road, Jinshan Wei Town, Shanghai, CHINA