

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**

Product  
Produit

Thermal Overload Relays and In-built Auxiliary Contacts of  
Thermal Overload Relay

Name and address of the applicant  
Nom et adresse du demandeur

LSIS Co., Ltd.  
95 Baekbong-ro Heungdeok-gu, CHEONGJU-SI  
CHUNGCHEONGBUK-DO 361-720, KOREA

Name and address of the manufacturer  
Nom et adresse du fabricant

LSIS Co., Ltd.  
95 Baekbong-ro Heungdeok-gu, CHEONGJU-SI  
CHUNGCHEONGBUK-DO 361-720, KOREA

Name and address of the factory  
Nom et adresse de l'usine

LSIS Co., Ltd.  
95 Baekbong-ro Heungdeok-gu, CHEONGJU-SI  
CHUNGCHEONGBUK-DO 361-720  
KOREA

Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2  
See Page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Trademark (if any)  
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais  
constructeur

CTF Stage 2

Model / Type Ref.  
Ref. De type

GTH-12M/3, GTH-12M, GTH-12MH/3, GTH-12MH, GTK-12M,  
GTK-12MH

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>ème</sup> page

Additional Information on page 2

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

IEC 60947-4-1(ed.3), IEC 60947-4-1(ed.3);am1, IEC 60947-5-  
1(ed.3), IEC 60947-5-1(ed.3);am1, IEC 60947-1(ed.5)

As shown in the Test Report Ref. No. which forms part  
of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

4787018469 issued on 2015-10-23 , 4787018469A issued on  
2015-10-23

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA  
 UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK  
 UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN  
 UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2015-12-04

Signature:

Jan-Erik Storgaard

Ratings:  
See the rating table below

Table I for Thermal Overload Relay: (see test report for details)

Type (Current Rating)	Setting ranges	
	Differential Type (GTK-12M)	Non Differential Type (GTH-12M/3)
Prospective Short-circuit current (690V)	1 kA	1 kA
SCPD (Fuse)	gL-gG (20A)	gL-gG (20A)
0.14	0.1 - 0.16	0.1 - 0.16
0.21	0.16 - 0.25	0.16 - 0.25
0.33	0.25 - 0.4	0.25 - 0.4
0.52	0.4 - 0.63	0.4 - 0.63
0.82	0.63 - 0.1	0.63 - 0.1
1.3	1 - 1.6	1 - 1.6
2.1	1.6 - 2.5	1.6 - 2.5
3.3	2.5 - 4	2.5 - 4
5	4 - 6	4 - 6
6.5	5 - 8	5 - 8
7.5	6 - 9	6 - 9
8.5	7 - 10	7 - 10
11	9 - 13	9 - 13
14	12 - 16	12 - 16

Ratings for Auxiliary contact:

Table II of the Auxiliary contact: (see test report for details)

- Utilization category: AC-15 (C600)

Auxiliary, AC	C600	VA
120V	1.5A	180
240V	0.75A	180
380V	0.47A	178.6
480V	0.375A	180
500V	0.35A	175
600V	0.3A	180

**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**



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