

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

Magnetic Contactors

Name and address of the applicant
Nom et adresse du demandeur

LSIS CO., LTD.
CHEONG JU PLANT 1, SONG JUNG-DONG, HUNG DUK-
KU, CHEONG JU-SHI, CHUNG CHEONG BUK-DO, 361-720,
KOREA

Name and address of the manufacturer
Nom et adresse du fabricant

LSIS CO., LTD.
CHEONG JU PLANT 1, SONG JUNG-DONG, HUNG DUK-
KU, CHEONG JU-SHI, CHUNG CHEONG BUK-DO, 361-720,
KOREA

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

LSIS CO., LTD.
CHEONG JU PLANT 1, SONG JUNG-DONG, HUNG DUK-KU,
CHEONG JU-SHI, CHUNG CHEONG BUK-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^{eme} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Additional Information on page 2
See Page 2 and Page 3

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



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

WMT

Model / Type Ref.
Ref. De type

MC-12b with AC-9, MC-18b with AC-9, MC-22b with AC-9, MC-9b
with AC-9

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{eme} page

The original report was modified to include the following
changes/additions:
Modifying ratings table.

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

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

12CA20374-C1 issued on 2012-11-05, 12CA20374 issued on
2012-09-27

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

Date: 2012-11-16
Original Issue Date: 2012-10-04

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-28404-M2-ULRatings:
Rating Table I for Magnetic Contactor;

Type		MC-9b with AC-9	MC-12b with AC-9	MC-18b with AC-9	MC-22b with AC-9
Conventional free air thermal current (I _{th})		21.6A	28.4A	37.8A	40.5A
Prospective Short-circuit current (550V)		1kA	3kA	3kA	3kA
SCPD (Fuse)		gL/gG 35A	gL/gG 40A	gL/gG 50A	gL/gG 63A
A	220-240V	13 A	18 A	22 A	26 A
	400-440V	14 A	18 A	24 A	26 A
	500-550V	16 A	21 A	28 A	30 A
kVar	200-240V	5 kVar	6.7 kVar	8.5 kVar	10 kVar
	400-440V	9.7 kVar	12.5 kVar	16.7 kVar	18 kVar
	500-550V	14 kVar	18 kVar	24 kVar	26 kVar

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

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

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Rating Table II of Auxiliary Contact (1b) ;

Type			AC-9	
Conventional free air thermal current (Ith)			16A	
SCPD		Fuse	gL/gG 16A	
		Ue/"r"	600V/1kA	
Current	AC-15	Rated Operational Current (A)	120V	6
			240V	3
			380V	1.9
			480V	1.5
			500V	1.4
			600V	1.2
	DC-13	Rated Operational Current (A)	125V	0.55
			250V	0.27
			400V	0.15
			500V	0.13
			500V	0.13
			600V	0.1

- 1) U_i : 690 V, U_{imp} : 6 kV
- 2) MC-9b with AC-9: Bussmann, gL/gG, 35 A
- 3) MC-12b with AC-9: Bussmann, gL/gG, 40 A
- 4) MC-18b with AC-9: Bussmann, gL/gG, 50 A
- 5) MC-22b with AC-9: Bussmann, gL/gG, 63 A
- 6) AC-9: Bussmann, gL/gG, 16A
- 7) Wire size for main terminals: Stranded, 2.5-10 mm², tightening torque: 2.25 Nm
- 8) Wire size for Aux. terminals: Stranded, 1 - 2.5 mm².tightening torque : 0.8 N.m

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



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