

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 a 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

WMT

Model / Type Ref.  
Ref. De type

MC-32a with AC-9, MC-40a 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<sup>ème</sup> page

The original report was modified to include the following  
changes/additions:  
Modifying standard, models and adding 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

12CA20375 issued on 2012-09-28  
12CA20374A1 issued on 2012-10-22

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: 2012-10-25  
Original Issue Date: 2012-10-08

Signature:

Jan-Erik Storgaard

Ratings:

Rating Table I for Magnetic Contactor ;

Type		MC-32a with AC-9	MC-40a with AC-9
Conventional free air thermal current (Ith)		56.1A	74.8A
Prospective Short-circuit current (550V)		3kA	3kA
SCPD (Fuse)		gL/gG 80A	gL/gG 100A
A	220-240V	39 A	52 A
	400-440V	36 A	48 A
	500-550V	42 A	55 A
kVar	220-240V	15 kVar	20 kVar
	400-440V	25 kVar	33.3 kVar
	500-550V	36 kVar	48 kVar

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	120V	6
		Operational	240V	3
		Current	380V	1.9
		(A)	480V	1.5
			500V	1.4
	DC-13	Rated	125V	0.55
		Operational	250V	0.27
		Current	400V	0.15
		(A)	500V	0.13
			600V	0.1

- 1)  $U_i$  : 1000 V,  $U_{imp}$ : 8 kV
- 2) MC-32a with AC-9: Bussmann, gL/gG, 80 A
- 3) MC-40a with AC-9: Bussmann, gL/gG, 100 A
- 4) AC-9: Bussmann, gL/gG, 16A
- 5) Wire size for main terminals: Stranded, 10 - 25 mm<sup>2</sup>, tightening torque: 4.0 Nm
- 6) Wire size for Aux. terminals: Stranded, 1 - 2.5 mm<sup>2</sup>.tightening torque : 0.8 N.m

**Additional information (if necessary)**

**Information complémentaire (si nécessaire)**



- UL (US), 333 Pflingsten 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/names](http://www.ul.com/names)

Date: 2012-10-25  
Original Issue Date: 2012-10-08

Signature:   
Jan-Erik Storgaard