



CB TEST CERTIFICATE

Ref. Certificate No.

NL-9886

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

Issued by: KEMA Quality B.V.
Registration date: 2005-12-08
Product: MAGNETIC CONTACTOR WITH THERMAL OVERLOAD RELAY AND ACCESSORIES

Applicant: LS INDUSTRIAL SYSTEMS CO., LTD. 84-11, Namdaemunno5(o)-ga, Jung-gu, Seoul Korea, Republic Of

Manufacturer: LS INDUSTRIAL SYSTEMS CO., LTD. 84-11, Namdaemunno5(o)-ga, Jung-gu, Seoul Korea, Republic Of

Factory: LS INDUSTRIAL SYSTEMS CO., LTD. CheongJu Plant 1, Songjeong-dong Heungdeok-gu Cheongju-si Chungchengbuk-do Korea, Republic Of

Rating and principal characteristics: See Annex

Trade mark (if any): LS

Model/Type reference: GMC-9, -12, -18, -22, -32, -40, -50, -65, -75, -85, GTH/GTK -22, -40, -85, GMR-4, -6, -8

Additional information: This Certificate replaces CB Test Certificates Nos. NL-4132, NL-4133, NL-4134 and NL-4135

Sample of product tested to be in conformity with IEC: 60947-4-1(ed.2);am1
60947-5-1(ed.2);am1;am2

Test Report Ref. No: 2087260.50-57, 2000734.50-53, 2004690.50-51, 2004691.50-53 and 2004692.50

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

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands



Signed by: H.L. Schendstok

Date of issue: 2005-12-08



IEC SYSTEM FOR CONFORMITY
TESTING TO STANDARDS FOR
SAFETY OF ELECTRICAL
EQUIPMENT (IECEE) CB SCHEME

Ref. Certificate No.

NL-6683/1

CB TEST CERTIFICATE

Issued by: KEMA Quality B.V.

Registration date: 2005-05-24

Product: Magnetic contactors, thermal overload relays, starters, contactor relay

Applicant: LS Industrial Systems Co., Ltd. Cheong Ju Plant, #1, Song Jung Dong, Hung Duk Ku, Cheong Ju, 361-720 Korea, Republic Of

Manufacturer: LS Industrial Systems Co., Ltd. Cheong Ju Plant, #1, Song Jung Dong, Hung Duk Ku, Cheong Ju, 361-720 Korea, Republic Of

Factory: LS Industrial Systems Co., Ltd. Cheong Ju Plant, #1, Song Jung Dong, Hung Duk Ku, Cheong Ju, 361-720 Korea, Republic Of

Rating and principal characteristics: Main circuits: Ith 20 A, Ui 690 V, Uimp 6 kV, 220 V-690 V, 3-pole, AC1, AC2, AC3, AC4
Aux. circuits: Ith 10 A, Ui 690 V, Uimp 6 kV, AC15, A600 120-600 V, DC13 Q300 120-250 V

Trade mark (if any): LS

Model/Type reference: Main circuits: GMC....., GMD....., GMS....., GTH....., GTK..... / Aux. circuits: GMR....., AU....., AR....., AZ....., GTH....., GTK.....

Additional information: This CB is reissued due to name at the company.

Sample of product tested to be in conformity with IEC: 60947-4-1(ed.1);am1;am2
60947-5-1(ed.2);am1;am2

Test Report Ref. No: Main circuits: 2022807.50 / -.53 and Aux. circuits: 2022807.54 and annex 2022807.55. This certificate replaces certificate NL-6475, dated: 14-03-2003 (see report)

This CB Test Certificate is issued by the National Certification Body

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands

KEMA

Signed by: H.L. Schendstok

Date of issue: 2005-05-24



IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Ref. Certificate No.

NL-9339

CB TEST CERTIFICATE

Issued by: KEMA Quality B.V.

Registration date: 2005-07-07

Product: Magnetic contactor and thermal overload relay

Applicant: LS Industrial systems Co., Ltd.. 1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720 Korea, Republic Of

Manufacturer: LS Industrial systems Co., Ltd.. 1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720 Korea, Republic Of

Factory: LS Industrial systems Co., Ltd.. 1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720 Korea, Republic Of

Rating and principal characteristics: See annex and test reports 2077896.50 .. 54 an 2077896.56 .. 58

Trade mark (if any): Meta-MEC, LSIS, GMC

Model/Type reference: GMC-100, GMC-125, GMC-150, GMC-180, GMC-220, GMC-300, GMC-400, GMC-600, GMC-800, GTH(K)-100, GTH(K)-150, GTH(K)-220, GTH(K)-400, GTH(K)-600

Additional information:

Sample of product tested to be in conformity with IEC: 60947-4-1(ed.2);am1

Test Report Ref. No: 2077896.50, 2077896.51, 2077896.52, 2077896.53, 2077896.54, 2077896.56, 2077896.57, 2077896.58

This CB Test Certificate is issued by the National Certification Body

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands

Signed by: H.H.M.Versteegen

Date of issue: 2005-07-07





IEC SYSTEM FOR CONFORMITY
TESTING TO STANDARDS FOR
SAFETY OF ELECTRICAL
EQUIPMENT (IECEE) CB SCHEME

Ref. Certificate No.

NL-9340

CB TEST CERTIFICATE

Issued by:	KEMA Quality B.V.		
Registration date:	2005-07-07		
Product:	Auxiliary switch		
Applicant:	LS Industrial systems Co., Ltd..	1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720	Korea, Republic Of
Manufacturer:	LS Industrial systems Co., Ltd..	1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720	Korea, Republic Of
Factory:	LS Industrial systems Co., Ltd..	1, Songjeong-dong, Huengdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720	Korea, Republic Of
Rating and principal characteristics:	Ue 600 V, Uimp = 8 kV, Ith = 16 A Ratings: See Annex and test report 2077896.55		
Trade mark (if any):	Meta-MEC, LSIS, GMC		
Model/Type reference:	AU-100		
Additional information:			
Sample of product tested to be in conformity with IEC:	60947-5-1(ed.2);am1;am2		
Test Report Ref. No:	2077896.55		

This CB Test Certificate is issued by the National Certification Body

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands

Signed by: H.H.M. Versteegen

Date of issue: 2005-07-07





CB TEST CERTIFICATE

Ref. Certificate No.

NL-9848

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

Issued by: KEMA Quality B.V.
 Registration date: 2005-11-14
 Product: MAGNETIC CONTACTOR WITH THERMAL OVERLOAD RELAY AND ACCESSORIES

Applicant:	LS INDUSTRIAL SYSTEMS CO., LTD.	84-11, Namdaemunno5(o)-ga, Jung-gu, Seoul	Korea, Republic Of
Manufacturer:	LS INDUSTRIAL SYSTEMS CO., LTD.	84-11, Namdaemunno5(o)-ga, Jung-gu, Seoul	Korea, Republic Of
Factory:	LS INDUSTRIAL SYSTEMS CO., LTD.	CheongJu Plant 1, Songjeong-dong Heungdeok-gu Cheongju-si Chungchengbuk-do	Korea, Republic Of

Rating and principal characteristics:

General product details:
 Ue/UI :
 - 1000 V (for contactors and auxiliaries)
 - 690 V (for thermal overload relays)
 Uimp:
 - 8 kV (contactors and auxiliaries)
 - 6 kV (overload relays)
 See Annex for detailed product specifications.

Trade mark (if any): LS

Model/Type reference: MC-9, -12, -18, -25, -32, -35, -40, -50, -63, -65, -75, -85, -95 / MT-32, -63, -95 versions /2H, /3H, /3K, /3D (TOR) / UA-1 (auxiliary contact) / UR-02 (Interlock unit)

Additional information: -

Sample of product tested to be in conformity with IEC: 60947-4-1(ed.2);am1
60947-5-1(ed.2);am1;am2

Test Report Ref. No: 2084466.50-57

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

KEMA Quality B.V.
 Utrechtseweg 310
 P.O. Box 5185
 6802 ED Arnhem
 The Netherlands



Signed by: H.L. Schendstok

Date of issue: 2005-11-14