



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

Ref. Certificate No.

NL-7836/M2-A1

CB TEST CERTIFICATE

Issued by: KEMA Quality B.V.

Registration date: 2005-08-10

Product: Circuit breaker used as manual motor starter

Applicant: LS Industrial Systems Co., 84-11, Namdaemunno5(o)-ga
Ltd. Jung-gu Seoul Korea, Republic Of

Manufacturer: LS Industrial Systems Co., 84-11, Namdaemunno5(o)-ga
Ltd. Jung-gu Seoul Korea, Republic Of

Factory: LS Industrial Systems Co., CheongJu Plant
Ltd. 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: MMS-32S/H/Hi, MMS-63S/H/Hi, MMS-100S/H/Hi

Additional information: With undervoltage (type RU and RUX) and shunt releases (type RS). This CB is reissued due to name and address changes at the company. Date of first issue: 2004-06-09

Sample of product tested to be in conformity with IEC: 60947-2(ed.3)
60947-4-1(ed.2);am1

Test Report Ref. No: 2038108.51-58

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.L. Schendstok

Date of issue: 2005-08-11



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

Ref. Certificate No.

NL-8792/1

CB TEST CERTIFICATE

Issued by: KEMA Quality B.V.

Registration date: 2005-05-09

Product: Auxiliary Switches for MMS Series of Motor Starters

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

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

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

Rating and principal characteristics: Type LX, LA and LAM (2NO, 2NC, 1NO and 1NC):
AC-15: 6 A (AC 24 V), 4 A (AC 240 V) DC-13: 2 A (DC 24 V), 0.25 A (DC220 V)
Type FX (2NO, 2NC, 1NO and 1NC):
AC-15: 3 A (AC 240 V) DC-13: 1 A (DC 24 V), 0.1A (DC220 V)

Trade mark (if any): LS

Model/Type reference: LX-11, LX-20, LX-02: Side Auxiliary Switch; LA-11, LA-20, LA-02: Alarm Switch; LAM-11, LAM-20,
LAM-02: Alarm Switch with Magnetic Trip; FX-11, FX-20, FX-02: Front auxiliary switch

Additional information: Auxiliary switches for MMS series (manual motor starters). This CB is reissued due to name changes at the company.

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

Test Report Ref. No: 2074536.51-.52

This CB Test Certificate is issued by the National Certification Body

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Signed by: H.L. Schendstok

Date of issue: 2005-05-10