

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 58 951 - 08 HH

Company LS Industrial Systems Co., Ltd.
1, Song Jung-dong, Hung Duk-gu
Cheong Ju, Choongbuk 361-720, KOREA, REPUBLIC OF

Product Description Metasol Air Circuit Breaker

Type AS-06D, AS-08D, AS-10D, AS-13D, AS-16D, AS-20D

Environmental Category C

Technical Data / Range of Application
Rated operational current I_e : 200 up to 2000 A
Rated operational voltage U_e : 690 V AC
Rated insulation voltage U_i : 1000 V AC
Rated impulse withstand voltage U_{imp} : 12 kV
Rated frequency : 50/60 Hz
Utilization category : B
No. of pole : 3 and 4

Rated short-circuit capacity at 500 and 690 V AC :		
I_{cm} :	154	143 kA
I_{cu} :	70	65 kA
I_{cs} :	70	65 kA
I_{cw} (1s)	65	65 kA

Trip System SHT, UVT
Electronic Release System OCR Type MMS-32S: INST, LTD, STD, Ground fault

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003, EMC-2 IEC 60947-2 (2006), IEC 60947-2 Annex H (2006) [500 V only]

Documents Test report : KEMA 2106131.50 (2007-10-22),
PT&T R48-0007 (2008-01-25), PT&T R48-0033 (2008-01-25),
PT&T R48-0234 (2008-02-15), PT&T R48-0235 (2008-03-25),
KIMM 2008048340 (2008-03-05), ONETECH E083R-028 (2008-03-11)

Remarks None

Valid until 2012-06-26

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Type Approval Symbol



File No. I.K.01

Hamburg, 2008-06-27

Germanischer Lloyd

i.A. 10
Heinz Tobaben

i.A. T. Reimer
Thomas Reimer

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".