

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. 75 718 - 09 HH

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

Product Description Moulded Case Circuit Breaker

Type ABN53c, ABN63c, ABN103c, ABS33c, ABS53c, ABS63c, ABH33c

Environmental Category C

Technical Data / Range of Application
Rated operational current I_e : (3), (5), (10), 15, 20, 30, 40, 50, 60, 75, 100 A
Rated operational voltage U_e : 460 V AC
Rated insulation voltage U_i : 750 V AC
Rated impulse withstand voltage U_{imp} : 8 kV
Rated frequency : 50/60 Hz
Utilization category : A

Rated short-circuit capacity at 250 / 460 V AC :

	ABN53c	ABN63c	ABN103c	ABS33c	ABS53c	ABS63c	ABH33c
I_{cm} :	63/28	63/28	73.5/36	63/28	73.5/36	73.5/36	73.5/36 kA
I_{cu} :	30/14	30/14	35/18	30/14	35/18	35/18	35/18 kA
I_{cs} :	30/14	30/14	35/18	30/14	35/18	35/18	35/18 kA

Release systems : Thermal and Magnetic

Test Standard Regulations for the Performance of Type Tests, Part 1, Edition 2003
IEC 60947-2 (ed.4) incl. Annex H

Documents Test report : IECCE CB Test Certificate NL-17236 dated 2009-11-30
PT&T R49-0913 dated 2009-05-26

Remarks None

Valid until 2016-02-23

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File No. I.K.01

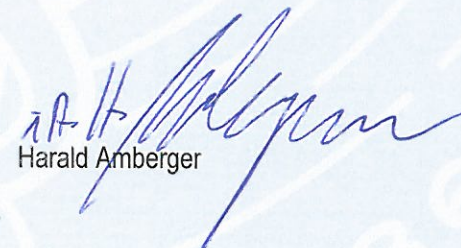
Hamburg, 2012-01-18

Type Approval Symbol



Germanischer Lloyd


Thomas Hartmann


Harald Amberger

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