

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. **44 992 - 07 HH**

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

Product Description **Molded Case Circuit Breaker SUSOL**

Type **TS400, TS630 E\ N\ S\ H\ P\ L, ETS, ETM**

Environmental Category **C**

Technical Data /
Range of Application

Number of poles	: 3
Rated operational current I_e	: 160 - 630 A
Rated operational voltage U_e	: 500 V AC
Rated insulation voltage U_i	: 750 V AC
Rated impulse voltage U_{imp}	: 8 kV
Rated frequency f_e	: 50/60 Hz
Utilization category	: A

Rated short circuit capacity Performance at :

		E	N	S	H	P	L
500V	I_{cm}	187	220	264	264	330	440 kA
240V	$I_{cs} = I_{cu}$	85	100	120	120	150	200 kA
415V	$I_{cs} = I_{cu}$	50	65	70	85	130	150 kA
460V	$I_{cs} = I_{cu}$	50	65	70	85	100	130 kA
500V	$I_{cs} = I_{cu}$	35	42	50	65	70	85 kA

Release system : Thermal, Magnetic, Electronic, INST, STD

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003**
IEC 60947-2 (2003) incl. Annex F, H

Documents **Test report : KEMA 208602900.52 dated 2006-03-23**
KEMA 208602900.55 dated 2006-03-23
KEMA 2087087-QUA/EMC 05-4964 dated 2005-10-27
PT&T R36-0772 (2006-08-14), R36-0776 (2006-07-24)

Remarks **None**

Valid until **2017-01-17**

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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".