



Type Approval Certificate

Germanischer Lloyd

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. **20 649 - 04 HH**
Company **LS Industrial Systems Co., Ltd.**
1, Song Jung-dong, Hung Duk-gu
Cheong Ju, Choongbuk 361-720, Korea

Product Description **Contactor relays**

Type **GMR-4, GMR-6, GMR-8**
GMR-4D, GMR-6D, GMR-8D

Environmental Category **C**

Technical Data /
Range of Application **GMR-4, -6, -8, AC coil, 50/ 60 Hz**
GMR-4D, -6D, -8D, DC coil

Rated voltage Ue: up to 550 V AC / up to 220 V DC
Rated insulation voltage Ui: 690 V
Rated impulse withstand voltage Uimp: 8 kA

Rated thermal current Ith (40°C): 16 A
Rated operational current Ie:
AC 12 (220 V) : 8 A
AC-15 (220 V) : 3 A
DC-12 (220 V) : 1 A
DC-13 (220V) : 0.55 A

Test Standard **Guidelines for the Performance of Type Tests Part 1, Edition 2003**
IEC60947-5-1:1997

Documents **Test report : KEMA 2004692.50 dated 2000-06-30**
LR R10-1229 dated 2000-10-17

Remarks **None**

Valid until **2010-04-27**

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Type Approval Symbol



File No. **I.K.04**

Hamburg, 2005-04-28

Germanischer Lloyd

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