



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. **15 390 - 00 HH**

Company **Kuk Dong Level Co.
843-1, Janglim-Dong, Saha-Ku
Busan, Rep. of Korea**

Product Description **Level Switch**

Type **KD-12..., KD-30..., KD-90...**

Environmental Category **C**

Technical Data /
Range of Application **Operating principles:
- KD-12: (H)= Horizontal, (V)=Vertical (p)=Non-flow magnetic switch
- KD-30: float level reed switch, maximal 6 points
- KD-90: Displacement magnetic switch
Switch capacity:
- KD-12: 250 VAC / 3A
- KD-30: 250 VAC / 0,5 A
- KD-90: 250 VAC / 15 A
Maximal working pressure:
- KD-12: 7 bar
- KD-30: 10 bar
- KD-90: 10 bar

Maximal working temperature: 120 °C
Minimum specific gravity: 0,8 (see documentation for exact value)**

Test Standard **Guidelines for the Performance of Type Approvals 2003**

Documents **Test report :Korea Institute of Machinery and Metals (KIM) IM3400250
Temperature & Hydraulic pressure test report of KIM, dated May 04, 2000
KD-12, KD-30 and KD-90 series drawings**

Remarks **Additional vibration damping measures might be necessary for long sizes
Limitation for the use according to the GL-Rules to be observed**

Valid until **2010-05-25**

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Type Approval Symbol



File No. I.D.03

Hamburg, 2005-05-25

Germanischer Lloyd

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