

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. **99 547 - 91 HH**

Company **Omicron A/S**
Stalbergvn. 9
3115 Tønsberg, NORWAY

Product Description **Magnetic level switches**

Type **HL - 8903**
HHL - 8903

Environmental Category **C**

Technical Data /
Range of Application **Level switch for topping up alarm and automatic shut down on**
"Tanker for Chemicals" and "Tanker for Liquified Gas"
Rating of Intrinsically Safe Circuit
Supply Voltage : 24 / 110 / 220 V AC
24 V DC
Operating Ratings : 8.2 V / 7.0 mA
Permissible external inductance : 1.0 mH
Permissible external capacitance : 0.5 microF

Applied I.S. Relay : Turck MS Type PTB specification No. Ex-80/2103
Zener Barrier Ex1-W00 Type NEMCO Certificate No. Ex 95D072
Omicron Sensor 1962 for connection to the Zener Barrier with 15 V max. Output
Voltage
HL 8903 Single Alarm Point
HHL 8903 Dual Alarm Point
Degree of Protection : IP 68 (10 m water gauge)

Test Standard **Guidelines for the Performance of Type Approvals VI-7-2 Edition 2003**

Documents **Test report : 89-1048 dated 20-06-1989; nft K51.91.015 dated 29-04-1991**
PTB specification No. Ex-80/2103; 199736150 dated 05-09-1997; NEMKO Certificate
No. Ex 95D072 dated 16-06-1995; Documentation Dwg. No. A3-89021; A4-90008
dated 22-02-1990; A4-91002

Remarks **Intrinsically safe application is to be approved in each case.**
Certified safety: EEx ia II CT6

Valid until **2016-04-26**

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File No. **I.D.03**

Hamburg, **2011-04-27**

Type Approval Symbol



Germanischer Lloyd

Marco Rinkel
Marco Rinkel

Andrea Grün
Andrea Grün

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