



Germanischer Lloyd

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. 99 454 - 97 HH

Company Rheintacho Messtechnik GmbH
Waltershofener Straße 1
79111 Freiburg, GERMANY

Product Description Speed Sensor
F / I(U) Converter

Type Speed Sensor SMxx.xxxx.xx
F / I(U) Converter 5873.xxx

Environmental Category C, D, EMC1

Technical Data / Range of Application Speed Sensor (Magnetoresistive Speed Sensor)
power supply: 10 ... 36V DC
current consumption: 20mA @ 24V DC, 1000Hz
frequency range: 0 ... 25000Hz
input: ferromagnetic toothed wheel
air gap: max. 1.9mm @ 1KHz; module M4
degree of protection: IP67, IP68 (type SMN4.GK07.T1)
Environmental category: D

F / I(U) Converter
power supply: 18 ... 32V DC
rated input frequency: 25 ... 18000Hz
output: 0 ... 20mA / 4 ... 20 mA / 0 ... 10V DC, max. 30mA
degree of protection: IP20
Environmental category: C

Test Standard Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003

Documents Test reports: RMS no. 2-07/97 dated 25.07.97, Schenck no. 1089 dated 18.01.96,
no. 1464 and no. 1465 dated 13.05.97
Technical specifications: Sm29.10.04, FIU-Wandler 587x_rev_A/31.01.2008
Drawings and circuit diagrams according to submitted file

Remarks None

Valid until 2012-09-15

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Type Approval Symbol



File No. I.D.07

Hamburg, 2008-01-31

Germanischer Lloyd

Jürgen Wittburg

Klaus-Peter Schröder

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