

# Type Approval Certificate



This is to certify that the undemoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 95 175 - 14 HH

Company DEIF A/S

Frisenborgvej 33  
7800 Skive, DENMARK

Product Description Rudder/Azimuth Angle Transmitters

Type RTC 300, RTC 600, RTA 602

Environmental Category D, EMC1

Technical Data /  
Range of Application  
RTC 300, RTC 600:  
CAN angle transmitter  
Operating Voltage: 18...31,2 VDC  
Measuring angle: +/-180 deg.  
Degree of protection: IP67  
Software Version: SV1.4.x

RTA 602:  
Analogue 2 wires 4..20mA  
Operating Voltage: 7,5...35VDC  
Measuring angle: +/-180 deg.  
Degree of protection: IP67  
Software Version: SV2.5.x

Test Standard Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012, IEC60945 (2002)

Documents Test reports:  
IPA0396 EMC and environmental test dated 2013-10-24,  
EMC immunity test DANAK-19/13548 dated 2013-11-11,  
Salt fog test UB 11794 dated 2013-07-03.

Documentation:  
Specification RTA 602, RTC 300 and RTC 600, doc. no.: 4155100293A dated 2013-03-18,  
Quick Guide RTC rudder/azimuth angle transmitters with CAN interface, doc. no.:

Valid until 2019-05-19  
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Hamburg, 2014-05-20

Type Approval Symbol



**Germanischer Lloyd**

Marco Rinkel

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4189350052,  
Quick Guide RTA rudder/azimuth angle transmitters 2 wire 4-20mA interface, doc. no.: 4189350051,  
Data sheet rudder/azimuth angle transmitter CAN, RTC 300/RTC 600, doc. no.: 4921250069A,  
Data sheet rudder/azimuth angle transmitter analogue, RTA602, doc. no.: 4921250068A.

Remarks None

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