



**TYPE APPROVAL CERTIFICATE**  
No. ELE068414XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Electronic Actuator with brushless disc motor</b>
<i>Type</i>	<b>StG EC40 / StG EC 40 RS-CW (CCW); StG EC 250</b>
<i>Applicant</i>	<b>HEINZMANN GMBH &amp; CO KG AM HASELBACH 1 D-79677 SCHONAU (SCHWARZW.) GERMANY</b>
<i>Manufacturer</i>	<b>HEINZMANN GMBH &amp; CO KG</b>
<i>Place of manufacture</i>	<b>AM HASELBACH 1 D-79677 SCHONAU (SCHWARZW.) GERMANY</b>
<i>Reference standards</i>	<b>"RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1"</b>

Issued in **HAMBURG** on **August 25, 2014**. This Certificate is valid until **August 24, 2019**

RINA Services S.p.A.  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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No. **ELE068414XG**  
Enclosure - Page 1 of 1  
StG EC40 / StG EC 40 RS-CW (CCW)  
StG EC 250

**Description**

Brushless actuator with integrated gearbox and positioner.

**Technical Data**

- Rotation Angle: 90°, (C)CW: (Counter)clockwise, RS: optional return spring
- Torque: max. 40Nm / 250Nm
- Position Setpoint Inputs: -4..20mA (max. burden. 240 Ohm), -0..5V, -PWM, -CAN
- Alarm Outputs: Minor, Major, Overload
- Stop Input: Binary Input
- Optical status indication by 6 LEDs
- StG EC 40: 18...32 VDC, redundant supply
- StG EC 250: 30...50 VDC for drive, 18...32 VDC for ECU (separate supply)
- Degree of Protection: IP66,
- Software version: xx.11.01

**Reference documents**

- Technical Specification no. StG-EC -DG 09 005-e / 3-10 & DG 11-002-e / 04-14
- Test reports no. Kriwan 100682\_02\_H, 100858\_03\_H, 100858\_01\_G/01, 100682\_02\_G/01
- Technical Report no. 71378355
- Assembly drawings no. 504-00-100-00 & 507-00-004
- Wiring Diagram no. 320-00-229-02
- Software Quality Plan no. 20140616

**Acceptance Condition**

The intended service for the actuator shall be clearly defined for each installation.  
The fail safe position of actuator shall be verified taking into account the actual configuration.

**HAMBURG August 25, 2014**

