



TYPE APPROVAL CERTIFICATE
No. ELE089523XG

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>	Electronic Actuator with brushless disc motor
<i>Type</i>	StG EC40 / StG EC 250/WEA40/WEA250
<i>Applicant</i>	HEINZMANN GMBH & CO KG AM HASELBACH 1 D-79677 SCHONAU (SCHWARZW.) GERMANY
<i>Manufacturer</i>	HEINZMANN GMBH & CO KG
<i>Place of manufacture</i>	AM HASELBACH 1 D-79677 SCHONAU (SCHWARZW.) GERMANY
<i>Reference standards</i>	"RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1"

Issued in **HAMBURG** on **September 7, 2023**. *This Certificate is valid until* **September 6, 2028**

Giuseppe Russo

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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StG EC40 / StG EC 250/WEA40/WEA250

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/WEA40: 18...32 VDC, redundant supply
- StG EC 250/WEA250: 30...50 VDC for drive, 18...32 VDC for ECU (separate supply)
- Degree of Protection: IP66,
- Software version: xx.11.yy or: xx.81.yy

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
- Test report: add. EMC, e&c testlab, 22PBI069316-00 dated 28.11.2022
- Test report: add. EMC, e&c testlab, 22PBI069416-00 dated 28.11.2022
- Technical Report no. 71378355
- Assembly drawings no. 504-00-100-xx & 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 September 7, 2023

Giuseppe Russo