

# Type Approval Certificate



[ Alarm, Monitoring and Control System ]

**Initial Approval** 11 August 2025  
**Applicant** Rockson Automation GmbH  
Wittland 2-4, 24109 Kiel, Germany

**Product Description** Type : Rockson Evolution V5

\* Manufacturing place :  
- Jiangsu Highland Integration Technology Co., Ltd.  
No.199, Qingfeng Road, Chongzhou District, Nantong City,  
Jiangsu Province, China

" See Appendix 1 "

**Approval Condition** " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art.301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 10 August 2030

Issued at Busan, Korea on 11 August 2025



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25034654456) and certificate No.(SHI52048-AC001).



**KOREAN REGISTER**

*General Manager of  
Marine & Ocean Equipment Team*

**Note :** 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 11 August 2025

### A. Product Description

#### 1. Product Specification

- 1) Product Descriptions (Type : Rockson Evolution V5)  
Rockson Evolution V5 is an integrated alarm, control and monitoring system.

Basic function of Rockson Evolution V5

- Login and User Access Levels
- Alarm Handling and Acknowledgment
- Measuring Point and Group Management
- Trend Display and Event History
- Control Panels (Binary, Analog, Tank, Valve, Pump etc.)
- Additional Features (Dimmer, Date & Time, Engineer Call etc.)
- Extension Alarm System (XAP, XAP-X Panels)

- 2) System consisting of:

Type	Description
CI-32	32 Channel Contact Input Module
ROX-12	12 Channel Relay Output Extender Module
MI-8	8 Channel Mixed Input Module
MO-8	8 Channel Mixed Output Module
CFI-1	1 channel CAN to fieldbus interface
XAD	Extension Alarm Distribution Module
XAP	Extension Alarm Panel
BUZ	Buzzer with USB Port
PSV	Process Server
XAB	External Alarm Buzzer
XAR	External Alarm Reset Panel

#### 2. Approved Drawings and Documents

- 1) Drawing with Manual
- G001-1-G Rev. G (2023. 12. 17)
- 2) Software versions:
- S001 CI-32 Firmware 1.1.xx
  - S002 MI-8 Firmware 1.1xx
  - S003 XAP Firmware 1.1xx
  - S004 BUZ Firmware 1.0xx
  - S008 CFI-1 Firmware 1.0xx
  - S009 MO-8 Firmware 1.0xx
  - S011 MO-8 Firmware 1.1xx
  - S100 Process Server Software 5.1xx
  - S200 Extension Alarm System Server Software 5.1xx
  - S220 Extension Alarm System Client Software with SW Fire + Sysfail Alarming 5.0xx
  - S300 Visualization Client Software 5.0xx

#### 3. Test Reports, etc.

- 1) Environmental / EMC Test Reports
- TR001 issued by Rockson Automation (2011.06.21)
  - VL2011001JCK.115.01-01 issued by DELPHI (2011.06.16)
  - 411.125.1 issued by CE cert (2011.07.11)
  - 411.125.2 issued by CE cert (2011.07.11)
  - ET-05-03-11 issued by Raytheon (2011.03.03)
  - AB2609-001 issued by GEDIS (2011.05.24)

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- 413.461.3 issued by CE cert (2013.04.03)
- 413.461.5 issued by CE cert (2014.06.13)
- PFVTR002 issued by Rockson Automation (2015.07.16)
- 24/22 DAT-P-234/97-03 issued by DAR (2011.06.14)
- 411.125.2 issued by CE cert (2014.02.18)
- 413.461.2 issued by CE cert (2014.02.18)
- 252-18 issued by TREO (2018.07.20)
- 198-22 issued by TREO (2022.06.22)

### B. Approval Condition

#### 1. Application & Limitation

- 1) This approval is granted on the basis of the test reports and the approved documentation.
- 2) Degree of protection shall be complied with Rule Pt.6 Ch.1 Sec.2 201.2. (5).
- 3) The manufacturer should inform this Society of all kinds of revisions of the equipment including software. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 4) When this system is to be installed in the vicinity of a standard or a steering magnetic compass, it should have a minimum safe distance of 5 m or more at which it may be mounted from such compasses.
- 5) The system has been found to satisfy the requirements of Rule Pt.6 Ch.2 Sec.4 404.2. (1), (3), (4) and (6).

#### 2. Individual Product Cert. and Drawing Approval Requirement

- 1) In the case where this system is installed on board, the system drawings for the individual vessel including the FAT program are to be approved by this Society.
- 2) Individual Product Certification is required.

#### 3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

#### 4. Others

- 1) Test condition

Test	Condition	Remark
EMC	All locations including the bridge and deck zone	-
Temperature	+5 ~ +70°C, -15 ~ +70°C, -25 ~ +70°C	(1)
Vibration	Acceleration $\pm 0.7g$	-
(1) +5 ~ +70°C : M0-8, CFI-1		
-15 ~ +70°C : PSV		
-25 ~ +70°C : CI-32, ROX-12, MI-8, XAD, XAP, BUZ, XAB		

< End of Certificate >