

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA00002GG
Revision No:
1

This is to certify:
that the Peripheral Equipment

with type designation(s)
Actuator Drive Signal Converter Modules ECM7118-04 and ECM7118-05

issued to
Regulateurs Europa B.V.
Roden, Netherlands

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	B
Humidity	B
Vibration	A
EMC	A
Enclosure	Required protection according to relevant rules shall be provided upon installation on board.

Issued at **Høvik** on **2025-05-22**

This Certificate is valid until **2029-10-02**.

DNV local unit: **Netherlands CMC**

Approval Engineer: **Ståle Sneen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

DIN-Rail mounted Actuator Drive Signal Converter Modules ECM7118-04 and ECM7118-05.

Technical specifications

Input: Selectable 0-200 mA or 4-20 mA, isolated from both output and power supply
Input resistance: 35 Ω for 0-200 mA, 235 Ω for 4-20 mA input
Output: Pre-set for RE series actuators, or 0-1000 mA nominal
Time lag: <5 ms for 100% step
Power supply: 24 V DC

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Application/Limitation

- To be used in self-contained closed steel cabinets
- Mounting instructions to be observed
- Suitability to be verified for the respective application

Type Approval documentation

Test report: [Telefication 20123302201-V1.02;](#)
[RE Test Report "SET-UP for TYPE APPROVAL TESTING", M602901-F, January 2014;](#)
[Factory Acceptance Test Report FAT ECM7118,](#)
[Thales, 0026~H0203~0000320577 Version 00.](#)

Data sheet: [RE_DS_ECM7118_01_15_e.](#)

[Type approval renewal assessment report for TAA00002GG, Netherlands CMC 2024-10-23.](#)

Tests carried out

Applicable tests according to class guideline DNV-CG-0339, August 2021.

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE