



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAE00003BH**  
Revision No:  
**1**

## This is to certify:

that the Instrument for Switchboard

with type designation(s)

**RIC2VI "Serie Naval" (Reverse Power Relay)**

issued to

**SACI, S.A. - de Construcciones Industriales**

**Alcobendas, Madrid, Spain**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

Location classes:

Temperature: **B**

Humidity: **B**

Vibration: **A**

**Product approved by this certificate is accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2024-05-06**

for **DNV**

This Certificate is valid until **2028-12-31**.

DNV local unit: **Madrid**

Approval Engineer: **Nicolay Horn**

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 300,000 USD.



Form code: TA 251

Revision: 2023-09

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Page 1 of 2

## Product description

Reverse Power Relay, Type RIC2VI "Serie Naval".

In (A)	..5
Vaux (V)	100, 110, 230, 400 or 440 $\pm 30$ % AC
Un (V)	100, 110, 230, 400 or 440 AC
Dimensions (mm)	144 x 144

## Type Approval documentation

Part of catalogue "ANALOGUE INSTRUMENTS" page A51

L.C.O.E. No.E840610097 dated 18.07.1984 & L.C.O.E. No.E840743010-A dated 12.07.1984

Cetema EMC test report: 04667IEM dated 05.03.1997

## Test carried out

Type tests in accordance with IEC 60051, EMC tests & Environmental tests (DNV-GL class guidelines CG-0339 - Environmental test specification for electrical, electronic and programmable equipment and systems).

## Marking of product

SACI, type designation

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and 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