



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA00001NC
Revision No:
2

This is to certify:

that the **Electromechanical Relays**

with type designation(s)
Telemecanique Control Relays 8497xxxx

issued to

Schneider Electric Asia Pte Ltd
Singapore, Singapore

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 Rules shall be provided upon installation onboard

Issued at **Hamburg** on **2025-04-14**

This Certificate is valid until **2028-11-19**.

DNV local unit: **Certification of Materials - Singapore**

Approval Engineer: **Holger Jansen**



for **DNV**

Digitally signed by: **Dariusz Lesniewski**
Location: **DNV SE, Germany**

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

Level control relays: RM35LM33MW, RM35LV14MW,
Part No. 84 970 7, followed by 0 or 1, followed by 0.

Current control relays: RM17JC00MW, RM35JA31MW, RM35JA32MW, RM17JA12M7
Part No. 84 971 1, followed by 2 or 3, followed by 0 or 2.

Voltage control relays: RM17UAS14, RM17UAS16, RM17UAS15, RM17UBE16, RM17UBE15, RM35UA11MW,
RM35UA12MW, RM35UA13MW,
Part No. 84 972 1, followed by 2, 3, 4 or 5, followed by 0, 1 or 2.

Frequency control relays: RM35HZ21FM,
Part No. 84 972 501.

Three phase control relays: RM35UB330, RM35UB3N30, RM17UB310,
Part No. 84 973 22, followed by 0, 1 or 2.

Phase control relays: RM17TG00, RM17TG20, RM17TT00, RM17TU00, RM17TA00, RM17TE00, RM35TF30,
RM35TF36
Part No. 84 973 02, followed by 0, 1, 2, 3, 4, 5, 6 or 9.

Phase + Thermal control relays: RM35TM50MW, RM35TM250MW,
Part No. 84 973 02, followed by 7 or 8.

Speed control relays: RM35S0MW,
Part No. 84 974 320.

Lift Temperature control relays: RM35ATL0MW, RM35ATR5MW, RM35ATW5MW,
Part no. 84 974 1, followed by 1, 2 or 3, followed by 0.

Pump control relays: RM35BA10,
Part No. 84 974 200.

Application/Limitation

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.

Type Approval documentation

Test report: Overview of test reports - GL Certification January 2007, Project RMC2.
TüV Doc. No. 7191312845-EEC23/01 issue 01 dated 2023-07-31
Schneider Electric no. BQT9301246 -00 dated 2025-02-18; BQT9301247 -00 dated 2025-02-19;
BQT9301249 -00 dated 2025-02-19; BQT9301250 -00 dated 2025-02-19;
BQT9301201 -00 dated 2025-02-19; BQT9301251 -00 dated 2025-02-19;
BQT9301252 -00 dated 2025-02-20; BQT9301253 -00 dated 2025-02-20;
BQT9301254 -00 dated 2025-02-20; BQT9301255 -00 dated 2025-02-21;
BQT9301259 -00 dated 2025-02-21; BQT9301260 -00 dated 2025-02-24;
BQT9301261 -00 dated 2025-02-21;
TüV Süd no. 7191345151-EEC24/01 issue 01 dated 2024-12-20
Data Sheets: RM35TF36 dated 2025-04-07; RM17JA12M7 dated 2025-04-07
Type approval assessment report dated 2023-07-10

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

Brands:

- Schneider Electric
- Telemecanique

Place of Production:

PT Schneider Electric Manufacturing Batam
Batamindo Industrial Park, Jalan Beringin Lot 4 & 208, Muka Kuning,
Batam Island, Indonesia

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