TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA00001NE
Revision No:
2

This is to certify:

that the Timer Relays

with type designation(s)
RE17xxxx, RE17xxxxS - Types see next page

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 **2025-04-24**

This Certificate is valid until **2030-05-11**.
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

Electromechanical or solid state time relays fitted with 17.5 mm housing for DIN rail
- Multi or Mono-functional
- Timers:- 1-10s-1min-10min-1hr-10hr-100hr
- Cage clamps for all series, except Spring clamps for RE17RMMWS
- One relay output 8A, 250V AC/DC
- One solid state relay output 0.7A, 250V AC/DC
- Display of output condition by LED

Types with cage clamp terminal:

RE17RMMW, RE17RMXMU, RE17RAMU, RE17RBMU, RE17RCMU, RE17RHMU, RE17RLJU, RE17RLMU, RE17RMEMU, RE17RMJU, RE17RMMU, RE17LAMW, RE17LHBM, RE17LLBM, RE17LMBM, RE17LCBM

Types with spring clamp terminal:

RE17RMMWS, RE17RMXMUS, RE17RAMUS, RE17RBMUS, RE17RCMUS, RE17RHMUS, RE17RLJUS, RE17RLMUS, RE17RMEMUS, RE17RMJUS, RE17RMMUS, RE17LAMWS, RE17LHBMS, RE17LLBMS, RE17LMBMS, RE17LCBMS

Nomenclature:

RE17abcde
a: Output
- R: 1 Contact, relay output
- L: 1 Contact, solid state output

b: Time Delay Type and Function
- A: On Delay Function
- B: Pulse Function
- C: Off Delay Function with Control Signal
- H: Off Delay Function
- L: Asymmetrical flashing, start with output in rest position
- M: Multi Function

c: Time Delay Sub-types and Sub-function
- none: Multi Timing Function Group:- A-Ac-At-B-Bw-C-D-Di-H-Ht
- E: Multi Timing Function Group:- A-At-B-C-D-Di-H-Ht
- X: Multi Timing Function Group:- Ad-Ah-N-O-P-Pt-Ti-Tt-W

d: Input Voltage (50/60 Hz)
- MU: 24 Vdc / 24 – 240 Vac
- MW: 12 – 240 Vac/dc
- BM: 24 – 240 Vac
- JU: 12 Vac/dc

e: Terminal Type
- none: Cage clamp terminal
- S: Spring clamp terminal

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

TÜV SÜD 71191042429-EEC12/SCH
TÜV SÜD 7191036644-EEC12/01,
TÜV SÜD 7191312845-EEC23/01_CR1, Issue 02
HRB4660001-00…HRB4660017-00
10 - Rev - - 05 Document for product casing Flammability
9 - Rev - - Specification
8 - Rev - - RE17s_datasheet
7 - Rev - - 05 RE17 spring product marking
6 - Rev - - 05 RE17 product marking
5 - Rev - - 04 Drawing
4 - Rev 2019 - 03 Test report
3 - Rev 2012 - 03 Test report
2 - Rev - - 02 Test summary
1 - Rev - - 01 Test plan proposal
Type Approval Assessment Report issued at Batam, Indonesia on 2025-03-25

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