



Certificate No:
TAE00004EG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Circuit Breaker

with type designation(s)
EasyPact.Exe

Issued to

Schneider Electric Industries SAS
GRENOBLE, France

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.

Rated voltage (kV) up to 17.5

Rated current (A) up to 2500

Issued at **Hamburg** on **2022-02-02**

This Certificate is valid until **2027-02-01**.

for **DNV**

DNV local station: **Augsburg**

Approval Engineer: **Harald Amberger**

.....
Arne Schaarmann
Head of Section

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: 2021-03

www.dnv.com

Page 1 of 3

Product description

EasyPact EXE
Vacuum circuit breaker up to 17.5kV
Fixed and withdrawable

Ratings				
Rated voltage	U _r	12kV, 17,5kV		
Rated normal current (40°C)	I _r	630, 800A, 1250A, 1600A, 2000A, 2500A		
Rated frequency		50/60Hz		
Rated lightning impulse withstands voltage	U _p	75kV (U _r 12kV), 95kV (U _r 17,5kV)		
Rated power-frequency withstands voltage	U _d	28kV (U _r 12kV), 38kV (U _r 17,5kV)		
Rated short-circuit breaking current	I _{sc}	20kA	25kA	31,5kA
Rated duration of short-circuit	t _k	3s	3s	3s
Rated short-circuit making current (at 60 Hz)	I _{ma}	52kA	65kA	82kA
Rated operating sequence		O - 0.3 s - CO - 3 min - CO		
Rated opening time		< 51 ms		
Rated closing time		< 71 ms		
Rated breaking time		< 66 ms		
Further ratings and auxiliary equipment acc. manufacturer documentation.				

Application/Limitation

Location Classes:
Temperature: B, Humidity: A, Vibration: A

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 62271-1 & IEC 62271-100
Environmental tests in accordance with DNVGL-CG-0339

Marking of product

Acc. IEC 62271-100 subclause 6.11

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