

# EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

This Certificate is issued to

**Schneider Electric Industries SAS**  
**GRENOBLE, France**

for

**Circuit Breakers**

with type designation(s)

**GV3P13 to GV3P80, GV3L25 to GV3L80 and auxiliary contacts type GVAED**

The product is found to comply with

**EU RO Mutual Recognition Technical Requirements for Circuit Breakers**

Intended service

**Circuit breaker for use onboard ship and offshore platforms.**

**Rated Voltage (V) Up to 690**

**Rated Current (A) 9 - 80**

**Frequency (Hz) 50 / 60**

This Certificate is valid until **2024-01-28**.

Issued at **Høvik** on **2019-01-29**

DNV GL local station: **Marseille**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

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**Marta Alonso Pontes**  
**Head of Section**



## Product description

Motor circuit breaker:  
GV3P: Thermal - Magnetic breaker  
GV3L: Magnetic breaker

Rated current  $I_e$ : GV3 P: 9-80 A  
GV3 L: 25-80 A  
Motor protection: GV3P: 5,5-36 kW  
GV3 L: 11-36 kW  
Max. operating voltage  $U_e$ : 600/690 V AC\*  
Rated insulation voltage  $U_i$ : 600/690 V AC\*  
Rated impulse voltage  $U_{imp}$ : 6 kV  
Rated frequency  $f_e$ : 50/60 Hz  
Utilization category: A

\*See application / limitation

|        | Icu [kA] = Iq |          |      |      |      | Ics [KA] |                  |          |
|--------|---------------|----------|------|------|------|----------|------------------|----------|
|        | 230V          | 400/415V | 440V | 500V | 690V | 230V     | 400/415V<br>440V | 500/690V |
| GV3P13 | 100           | 100      | 50   | 12   | 6    | 100%Icu  | 100%Icu          | 50%Icu   |
| GV3P18 |               |          |      |      |      |          |                  |          |
| GV3P25 |               |          |      |      |      |          |                  |          |
| GV3P32 |               |          |      |      |      |          |                  |          |
| GV3P40 |               |          |      |      |      |          |                  |          |
| GV3P50 | 65            | 50       | 50   | 12   | 6    | 100%Icu  | 60%Icu           | 50%Icu   |
| GV3P65 |               |          |      |      |      |          |                  |          |
| GV3P73 |               |          |      |      |      |          |                  |          |
| GV3P80 |               |          |      |      |      |          |                  |          |
| GV3L25 | 100           | 100      | 50   | 12   | 6    | 100%Icu  | 100%Icu          | 50%Icu   |
| GV3L32 |               |          |      |      |      |          |                  |          |
| GV3L40 |               |          |      |      |      |          |                  |          |
| GV3L50 |               |          |      |      |      |          |                  |          |
| GV3L65 |               |          |      |      |      |          |                  |          |
| GV3L73 | 65            | 50       | 50   | 12   | 6    | 100%Icu  | 60%Icu           | 50%Icu   |
| GV3L80 |               |          |      |      |      |          |                  |          |

## Manufactured by

Schneider Electric France  
6-8 rue du Bailly  
21078 Dijon Cedex  
France

## Application/Limitation

The max. rated voltage is 600 V when used in IT (ship) net due to  $U_{imp}=6$  kV. It can be used in applications with directly earthed systems with rated voltage of 400/690 V.

## **Type Approval documentation**

### **Marking of product**

Manufacturer's name and product identification.

### **Other condition**

Environmental tests in according to IEC 60947-1 Annex Q testsequence D: Dry Heat Test, Damp Heat Test, Low temperature Test, Vibration test.

Type Tests acc. to IEC60947-1(ed.5);am1 & am2, IEC60947-2(ed.5 incl. annex H); IEC60947-4-1 (ed.3); am1.

Environmental test parameters:

Temperature: -25 °C and 70 °C (open product), -20°C up to +40°C (enclosed product)\*

Vibration: ± 1mm / 0.7g

EMC: General power zone

Enclosure: IP20

\*Enclosed product mean mounted in a dedicated enclosure. Normal use inside a switchboard is regarded as open product.

### **Periodical assessment**

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is 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 Routines (RT) checked (if not available tests RT to be carried out).
- Review of type approval documentation.
- Review of possible change in design, materials and performance.
- Ensure traceability between manufacturer's product marking and the DNVGL EU MR Type Approval Certificate.

Assessment to be performed annually.

END OF CERTIFICATE