

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Circuit Breaker**

with type designation(s)

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

Issued to

**Schneider Electric Industries SAS
GRENOBLE, France**

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.****Rated voltage (V) Up to 690V (See Application / limitation)****Rated current (A) 9-80**Issued at **Høvik** on **2021-01-12**for **DNV GL**This Certificate is valid until **2025-07-03**.DNV GL local station: **France CMC**Approval Engineer: **Nicolay Horn**

**Marta Alonso Pontes
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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **262.1-020865-3**
 Certificate No: **TAE0000136**
 Revision No: **2**

Name and place of manufacturer

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

Product description

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

Rated current Ie: 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 Ue: 600/690 V AC*
 Rated insulation voltage Ui: 600/690 V AC*
 Rated impulse voltage Uimp: 6 kV
 Rated frequency fe: 50/60 Hz
 Utilization category: A

*See application / limitation

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

Application/Limitation

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

Environmental test parameters:

Temperature: D (open product), -20°C up to +40°C (enclosed product)*
 Vibration: A
 EMC: A
 Enclosure: IP20

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

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Type Approval documentation

Test reports:

F-lab Test report no. 201703880_020

VDE 249419-TL3-4

VDE 234365-TL3-2 & 234365-TL3-3

VDE 5007256-4402-0001/111802- 1 to 3 (2009-05-20)

L2E 200902935_001 (2009-10-14), L2E 200902929_001 (2009-08-14),

L2E 200902930_001 (2009-08-08), L2E 200902931_001 (2009-09-09),

L2E 200902933_001 (2009-08-12), L2E 200902934_001 (2009-08-24),

VDE 188115-CC2-1 (2014-06-18), VDE 188115-CC2-2 (2014-06-18)

IEC DE1-60314 (2018-04-13)

Tests carried out

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); am1, IEC60947-4-1 (ed.4).

Marking of product

Manufacturer's name and product identification

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.

Assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE