

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Circuit Breaker**with type designation(s)  
**TeSys GV5P**

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) 230 - 690****Rated current (A) 150 / 220**Issued at **Høvik** on **2020-09-07**for **DNV GL**This Certificate is valid until **2025-09-06**.DNV GL local station: **Marseille**Approval Engineer: **Nicolay Horn**

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**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.



## Place of manufacturer

Schneider Electric Alpes  
Voie Isaac Newton ZI Alpespace  
73800 FRANCIN  
France

## Product description

	GV5P150F	GV5P150H	GV5P220F	GV5P220H
Rated insulation voltage $U_i$ AC (V)	800	800	800	800
Rated impulse voltage $U_{imp}$ AC (V)	8	8	8	8
Rated operational voltage $U_e$ AC (V)	230 - 690	230 - 690	230 - 690	230 - 690
Rated current $I_e$ (A)	150	150	220	220
Rated frequency Hz	50/60	50/60	50/60	50/60
Rated short-circ. service break. cap. $I_{cs}$ (kA)				
690V	8	10	8	10
500V	30	50	30	50
440V	35	65	35	65
415V	36	70	36	70
230V	85	100	85	100
Rated ultima. short-circ. break. cap. $I_{cu}$ (kA)				
690V	8	10	8	10
500V	30	50	30	50
440V	35	65	35	65
415V	36	70	36	70
230V	85	100	85	100
AC1 performance $I_e$ (A)	150	150	220	220
AC3 performance $I_e$ (A)	130	130	162	162

All test results are given according to IEC 60947-1 and 4-1

## Application/Limitation

Motor-protected circuit breaker including electronic overload release, electronic short-circuit release, thermal memory and phase loss sensitive.

Applicable for use in an IT net with a voltage up to 690 V.

Environmental classes: Vibration A, Temperature D, Humidity B, EMC B

## Type Approval documentation

### Technical info:

"Identification File TeSys GV5P, No DID\_180053"  
Catalogue "TeSys GV5 / GV6 55 to 250 kW".

### Test reports:

LCIE test report no. 159383-732071 issued 2019-09-04.  
F-Lab Volta test reports nos. 201900218\_005 issued 2019-04-12, 201907902\_001 issued 2020-02-03, 201907902\_002 issued 2020-01-23, 201907902\_003\_v1 issued 2020-07-10, 201907902\_004 issued 2020-02-14, 201907902\_005 issued 2020-01-27, 201907902\_010 issued 2020-02-11.

Job Id: **262.1-032806-1**  
Certificate No: **TAE0000402**

## Tests carried out

IEC 60947-1 / IEC 60947-4-1, sequence 1 and 2 and Annex P, and inclination-, vibration-, cold-, dry heat-, damp heat, EMC immunity and emission tests.

## Marking of product

Schneider Electric - Type designation – Voltage – Breaking capacity.

## 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 survey 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.

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

END OF CERTIFICATE