

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

**Motor circuit-breaker
Motor Protection Switching Devices (MPSD)**

Name and address of the applicant

SCHNEIDER ELECTRIC INDUSTRIES SAS
35, rue Joseph Monier
92500 RUEIL-MALMAISON
FRANCE

Name and address of the manufacturer

SCHNEIDER ELECTRIC INDUSTRIES SAS
31 rue Pierre Mendès-France
38320 EYBENS
FRANCE

Name and address of the factory

SCHNEIDER ELECTRIC Alpes
Voie Isaac Newton ZI Alpespace
73800 Francin
FRANCE

Note: When more than one factory, please report on page 2

 Additional Information on page 2

Ratings and principal characteristics

Rated operational current I_e from 150 to 220 A
Rated operational voltage U_e from 230 to 690 V
Breaking capacity type F or H
See Annex

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF2

Model / Type Ref.

TeSys GV5P150F, TeSys GV5P150H,
TeSys GV5P220F, TeSys GV5P220H

Additional information (if necessary may also be reported on page 2)

Motor circuit-breaker equipped with Micrologic 2.2M

 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60947-4-1:2018
IEC 60947-1:2007 +A1:2010 +A2:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

159383-732071

This CB Test Certificate is issued by the National Certification Body

LCIE – Laboratoire Central des Industries Electriques
33, avenue du Général Leclerc – BP8
FR 92 266 Fontenay aux Roses Cedex
www.lcie.fr

Date: 27/09/2019

LABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 263 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSESSignature: 
Julien Gauthier
Certification Officer

ANNEX

Models: TeSys GV5P150F, TeSys GV5P150H, TeSys GV5P220F, TeSys GV5P220H

Classification:

Number of poles	3
Kind of current: (a.c. or d.c.)	a.c.
Interruption medium	Air
Method of operation	Manual
Method of control	Hand operation by rotary handle Independent manual
Rated frequency: (Hz)	50/60
Rated duty	Uninterrupted
Utilization category	AC-1, AC-3
Suitability for isolation	Suitable
Method of installation	Fixed
Degree of protection: (IP code)	IP40 Front face with rotary handle
Operating temperature: (°C)	-25 to +70
Maximum operating altitude: (m)	2000
Electromagnetic compatibility (EMC) / Environment A or B	B

Rated and limiting values, main circuit:

- rated operational voltage: Ue (V)	230 to 690
- rated insulation voltage: Ui (V)	800
- rated impulse withstand voltage: Uimp (kV)	8
- rated operational current: Ie (A)	150, 220
- conventional free air thermal current: Ith (A)	150, 220
- uninterrupted duty: Iu (A)	150, 220

Short-circuit characteristic:

Rated ultimate short-circuit breaking capacity: Icu (kA)

	F	H
230 V	85	100
415 V	36	70
440 V	35	65
500 V	30	50
690 V	8	10

Rated service short-circuit breaking capacity: Ics (kA)

	F	H
230 V	85	100
415 V	36	70
440 V	35	65
500 V	30	50
690 V	8	10

AC-1 and AC-3 performances:

	AC-1	AC-3
Ie (A)	Ie (A) (*)	Ie (A) (*)
150	150	130
220	220	162

(*) Performance provided for all rated operational voltage



LCIE – Laboratoire Central des Industries Electriques
33, avenue du Général Leclerc – BP8
FR 92 266 Fontenay aux Roses Cedex
www.lcie.fr

Date: 27/09/2019



LABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Signature: *Julien Gauthier*
Julien Gauthier
Certification Officer

ANNEX (continued)

Control circuits:	
Rated and limiting values, control circuits	MX: Shunt release (release with shunt coil) MN: Under-voltage release
Auxiliary circuits:	
Rated and limiting values, auxiliary circuits	State indication switch: OF Alarm switch: SD/SDE
- rated operational voltage: U_e (V)	From 24 to 690 Va.c. From 24 to 250 Vd.c.
- rated insulation voltage: U_i (V)	690
- rated operational current: I_e (A)	Up to 6
- kind of current: (a.c., d.c.)	a.c., d.c.
- rated frequency: (Hz)	50/60
- number of circuits	Up to 4
- number and kind of contact elements	1 C/O contact
- rated uninterrupted current: I_u (A)	Up to 6
- utilization category: (AC, DC, current and voltage)	AC-12, AC-15, DC-12, DC-14
Short-circuit characteristics	
- rated conditional short-circuit current: (kA)	1
- kind of protective device	Fuse gG 10A max
Releases:	
Rated and limiting values, releases	
Shunt release (release with shunt coil)	MX
- rated operational voltage: U_e (V)	From 48 to 440 Va.c.
- rated insulation voltage: U_i (V)	690
- kind of current: (a.c., d.c.)	a.c
- rated frequency: (Hz)	50/60
Under-voltage release	MN
- rated operational voltage: U_e (V)	From 48 to 440 Va.c.
- rated insulation voltage: U_i (V)	690
- kind of current: (a.c., d.c.)	a.c
- rated frequency: (Hz)	50/60
Overload release including the overload function of a MPSD	
- Designation	Micrologic 2.2M
- Current settings: I_r (A)	70 to 150, 100 to 220
- rated frequency: (Hz)	50/60
- trip class	5,10,20
- nature of relay	Electronic, thermal memory, sensitive to phase loss
Short-circuit release of a MPSD	
- Current settings: I_{sd} (A)	5 to 13Ir
- Current settings: I_i (A)	2250, 3300



LCIE – Laboratoire Central des Industries Electriques
33, avenue du Général Leclerc – BP8
FR 92 266 Fontenay aux Roses Cedex
www.lcie.fr

Date: 27/09/2019



LABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 243 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Signature: *Julien Gauthier*
Certification Officer