



TYPE APPROVAL CERTIFICATE

N. ELE373320CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system.

Description	Motor circuit breakers	
Type:	GV2ME, GV2RT, GV2P, GV2L, GV2LE	
Applicant & Manufacturer	Schneider Electric Industries SAS 31 Rue Pierre Mendès France, Eybens, 38050 Grenoble Cedex 9 France	
Factories	Schneider Electric France 6-8 rue de Bailly BP 97812 21078 Dijon Cedex France	Schneider Thailand limited 540 Soi 9 Bangpoo Industrial Estate, Sukhumvit Road Muang District, Samutprakarn 10280 Thailand
Testing Standards:	IEC60947- 2: 2016 IEC60947- 4-1: 2018	

Issued in **Genova** on **December 05, 2020**

This certificate is valid until **December 05, 2025**

RINA Services S.p.A.

Luigi Benedetti





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Thermal – magnetic motor circuit breaker: GV2ME, GV2RT, GV2P

Magnetic motor circuit breaker: GV2L, GV2LE

Main Features:

Utilization cat.: **AC3**; Poles: **3 P**; **AC** current; Method of operation : Manual; Method of control: Automatic
 Rated insulation Voltage **Ui** (V): 690V ; Rated impulse withstand voltage **Uimp** (kV): 6 kV;
 Conventional current **Ith** (A): 32A; Rated frequency **F**: 50/60Hz; Uninterrupted duty; Pollution degree: **3**;
 Suitable for insulation (3P); **IP** :20; Selectivity cat. : **A**; Trip class: 10A, 3P

Coding description:

GV2 ME 01 6

I **II** **III** **IV**

I **Designates basic model** (GV2 motor circuit breaker)

II **Designates actuation means:**

ME-Pushbutton (Thermal-magnetic trip)

P- Rotary knob (Thermal- magnetic trip)

RT-Tumbler (Thermal-magnetic trip)

L- Rotary knob (Magnetic trip)

LE- Tumbler (Magnetic trip)

III **Current setting range and magnetic tripping current Id (A) for GV2ME, GV2P**

01 0,10 to 0,16A	Id 1,5A	02 0,16 to 0,25A	Id 2,4A	03 0,25 to 0,40A	Id 5A	04 0,40 to 0,63A	Id 8A
05 0,63 to 1,00A	Id 13A	06 1,00 to 1,60A	Id 22,5A	07 1,60 to 2,50A	Id 33,5A	08 2,50 to 4,00A	Id 51A
10 4,00 to 6,30A	Id 78	14 6,00 to 10,0A	Id 138A	16 9,00 to 14,0A	Id 170A	20 13,0 to 18,0A	Id 223A
21 17,0 to 23,0A	Id 327	22 20,0 to 25,0A	Id 327A	32 24,0 to 32,0A	Id 416A		

III **Current setting range and magnetic tripping current Id (A) for GV2RT**

03 0,25 to 0,40A	Id 8A	04 0,40 to 0,63A	Id 13A	05 0,63 to 1,00A	Id 22A	06 1,00 to 1,60A	Id 33A
07 1,60 to 2,50A	Id 51A	08 2,50 to 4,00A	Id 78A	10 4,00 to 6,30A	Id 138A	14 6,00 to 10,0A	Id 200A
16 9,00 to 14,0A	Id 280A	20 13,0 to 18,0A	Id 400A	21 17,0 to 23,0A	Id 400A		

III **Current setting range and magnetic tripping current Id (A) for GV2L, GV2LE**

03 0,40A	Id 5A	04 0,63A	Id 8A	05 1,00A	Id 13A	06 1,60A	Id 22,5A
07 2,50A	Id 33,5A	08 4,00A	Id 51A	10 6,30A	Id 78A	14 10,0A	Id 138A
16 14,0A	Id 170A	20 18,0A	Id 223A	22 25,0A	Id 327A	32 32,0A	Id 416A

IV **Designates type of connection:**

Blank: Clamps and Screw

3: Spring connection (only for GV2ME)

6: for ring lugs (only for GV2ME)





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GV2ME		01	02	03	04	05	06	07	08	10	14	16	20	21	22	32
GV2RT				03	04	05	06	07	08	10	14	16	20	21		
$I_n = I_{th}$	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	32
I_e (AC- 3 690V)	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	30
I_{cu}	kA (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	15	15	15	10
I_{cs}	% I_{cu} (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	50	50	40	50
I_{cu}	kA (690 V)	100	100	100	100	100	100	3	3	3	3	3	3	3	3	3
I_{cs}	% I_{cu} (690 V)	100	100	100	100	100	100	75	75	75	75	75	75	75	75	75

GV2P		01	02	03	04	05	06	07	08	10	14	16	20	21	22	32
$I_n = I_{th}$	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	32
I_e (AC- 3 690V)	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	30
I_{cu}	kA (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cs}	% I_{cu} (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cu}	kA (690 V)	100	100	100	100	100	100	8	8	6	6	6	4	4	4	4
I_{cs}	% I_{cu} (690 V)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

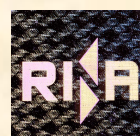
GV2L				03	04	05	06	07	08	10	14	16	20		22	32
$I_n = I_{th}$	A			0,4	0,63	1	1,6	2,5	4	6,3	10	14	18		25	32
I_e (AC- 3 690V)	A			0,4	0,63	1	1,6	2,5	4	6,3	10	14	18		25	30
I_{cu}	kA (400/415 V)			100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cs}	% I_{cu} (400/415 V)			100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cu}	kA (690 V)			100	100	100	4	4	4	4	4	4	4		4	4
I_{cs}	% I_{cu} (690 V)			100	100	100	100	100	100	100	100	100	100		100	100

GV2LE				03	04	05	06	07	08	10	14	16	20		22	32
$I_n = I_{th}$	A			0,4	0,63	1	1,6	2,5	4	6,3	10	14	18		25	32
I_e (AC- 3 690V)	A			0,4	0,63	1	1,6	2,5	4	6,3	10	14	18		25	30
I_{cu}	kA (400/415 V)			100	100	100	100	100	100	100	100	100	15	15	15	10
I_{cs}	% I_{cu} (400/415 V)			100	100	100	100	100	100	100	100	100	50	50	40	50
I_{cu}	kA (690 V)			100	100	100	100	3	3	3	3	3	3		3	3
I_{cs}	% I_{cu} (690 V)			100	100	100	100	75	75	75	75	75	75		75	75

GV2P and GV2ME Breaking Capacities used in association with current limiters GV1L03 or LA9LB920

GV2ME		01	02	03	04	05	06	07	08	10	14	16	20	21	22	32
$I_n = I_{th}$	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	32
I_e (AC- 3 690V)	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	30
I_{cu} with GV1L3	kA (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
I_{cs} with GV1L3	% I_{cu} (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	50	50	40	40
I_{cu} with GV1L3	kA (440 V)	100	100	100	100	100	100	100	100	100	100	100	50	20	20	20
I_{cs} with GV1L3	% I_{cu} (440V)	100	100	100	100	100	100	100	100	100	100	100	75	75	75	75
I_{cu} with GV1L3	kA (500V)	100	100	100	100	100	100	100	100	100	100	50	42	10	10	10
I_{cs} with GV1L3	% I_{cu} (500V)	100	100	100	100	100	100	100	100	100	100	100	75	75	75	75

GV2P		01	02	03	04	05	06	07	08	10	14	16	20	21	22	32
$I_n = I_{th}$	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	32
I_e (AC- 3 690V)	A	0,16	0,25	0,4	0,63	1	1,6	2,5	4	6,3	10	14	18	23	25	30
I_{cu} with GV1L3	kA (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
I_{cs} with GV1L3	% I_{cu} (400/415 V)	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cu} with GV1L3	kA (440 V)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
I_{cs} with GV1L3	% I_{cu} (440V)	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cu} with GV1L3	kA (500V)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
I_{cs} with GV1L3	% I_{cu} (500V)	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
I_{cu} with LA9LB920	kA (690V)	100	100	100	100	100	100	50	50	50	50	50	50	50	50	50
I_{cs} with LA9LB920	% I_{cu} (690)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100





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Technical description

Low voltage_ catalogue MKTED210011EN Part B6/11 _ B6/18 Circuit breakers

Test reports / Certificate:

STIEE Testing lab.(CHINA):

Report n. 00901-CB2019CQC-088358-1 (2020-02-26) acc. to: IEC60947- 2: 2016

Report n. 00901-CB2019CQC-088358-2 (2020-02-26) acc. to: IEC60947- 4-1: 2018

CQC _CHINA Quality Certification Centre (CHINA): CB TEST CERTIFICATE: n. CN49790 (Apr. 09, 2020)

General remark:

Max allowable rated current may be revised according to ambient temperature : 45°C for enclosed spaces
55°C inside consoles



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