



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE0000202
Revision No:
3

This is to certify:
that the Motor Starter

with type designation(s)
GV2-ME, GV2-P and GV2-L

issued to
Schneider Electric Industries SAS
Rueil Malmaison, France

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Motor- protected circuit breaker including overload release, thermal-magnetic or magnetic release.
Accessories: Under voltage trip, shunt trip, voltage trip, analogue modules, auxiliary contacts

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Rated voltage (V) 690
Rated current (A) 0.16 - 32
Frequency (Hz) 50 - 60

Issued at **Høvik** on **2025-11-17**

This Certificate is valid until **2030-08-29**.
DNV local unit: **France CMC**

Approval Engineer: **Qiang William Guo**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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 USD 300 000.

Name and place of manufacturer

Schneider Electric France 6-8 rue de Bailly – B.P. 97872 21078 Dijon Cedex, France	Schneider Thailand Ltd 540 Soi 9, Bangpoo Industry Estate, Sukhumvit Road, Muang District Samutprakarn 102801, Thailand
Schneider Shanghai Industrial Control Co.,Ltd No.629 Suide Road,Putuo District, Shanghai P.R.China	

Product description

Motor starters (circuit breaker/ contactor combination) type:

GV2ME01, GV2ME02, GV2ME03, GV2ME04, GV2ME05, GV2ME06, GV2ME07, GV2ME08, GV2ME10, GV2ME14, GV2ME16, GV2ME20, GV2ME21, GV2ME22 and GV2ME32, maybe followed by 3, 6 or A.

GV2P01, GV2P02, GV2P03, GV2P04, GV2P05, GV2P06, GV2P07, GV2P08, GV2P10, GV2P14, GV2P16, GV2P20, GV2P21, GV2P22 and GV2P32.

GV2L03, GV2L04, GV2L05, GV2L06, GV2L07, GV2L08, GV2L10, GV2L14, GV2L16, GV2L20, GV2L22 and GV2L32.

GV2LE03, GV2LE04, GV2LE05, GV2LE06, GV2LE07, GV2LE08, GV2LE10, GV2LE14, GV2LE16, GV2LE20, GV2LE22 and GV2LE32.

GV2LM03, GV2LM04, GV2LM05, GV2LM06, GV2LM07, GV2LM08, GV2LM10, GV2LM14, GV2LM16, GV2LM20, GV2LM21, GV2LM22 and GV2LM32.

GV2RT03, GV2RT04, GV2RT05, GV2RT06, GV2RT07, GV2RT08, GV2RT10, GV2RT14, GV2RT16, GV2RT20, GV2RT21, maybe followed by 3.

Types:	GV2ME01	GV2ME02	GV2ME03 GV2RT03	GV2ME04 GV2RT04	GV2ME05 GV2RT05	GV2ME06 GV2RT06
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	0.16	0.25	0.4	0.63	1.0	1.6
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	0.1-0.16	0.16-0.25	0.25-0.4	0.4-0.63	0.63-1.0	1.0-1.6
Rated ultimate break. Cap. I _{cu} (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100
690 V	100	100	100	100	100	100
Rated service breaking cap. I _{cs} (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100
690 V	100	100	100	100	100	100
Utilisation category:	A	A	A	A	A	A

Types:	GV2ME07 GV2RT07	GV2ME08 GV2RT08	GV2ME10 GV2RT10	GV2ME14 GV2RT14	GV2ME16 GV2RT16	GV2ME20 GV2RT20
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	2.5	4	6.3	10	14	18
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	1.6-2.5	2.5-4	4-6.3	6-10	9-14	13-18
Rated ultimate break. Cap. I _{cu} (kA)						
415 V	100	100	100	100	15	15
500 V	100	100	50	10	6	6
690 V	3	3	3	3	3	3
Rated service breaking cap. I _{cs} (kA)						
415 V	100	100	100	100	7.5	7.5
500 V	100	100	50	10	4.5	4.5
690 V	2.25	2.25	2.25	2.25	2.25	2.25
Utilisation category:	A	A	A	A	A	A

Types:	GV2ME21 GV2RT21	GV2ME22	GV2ME32	GV2P01	GV2P02	GV2P03
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	23	25	32	0.16	0.25	0.4
Rated frequency Hz:	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	17-23	20-25	24-32	0.1-0.16	0.16-0.25	0.25-0.40
Rated ultimate break. Cap. I _{cu} (kA)						
415 V	15	15	10	100	100	100
500 V	4	4	4	100	100	100
690 V	3	3	3	100	100	100
Rated service breaking cap. I _{cs} (kA)						
415 V	6	6	5	100	100	100
500 V	3	3	3	100	100	100
690 V	2.25	2.25	2.25	100	100	100
Utilisation category:	A	A	A	A	A	A

Types:	GV2P04	GV2P05	GV2P06	GV2P07	GV2P08	GV2P10
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	0.63	1	1,6	2,5	4	6,3
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting	0.40-0.63	0,63-1	1-1,6	1,6-2,5	2,5-4	4-6,3

Types:	GV2P04	GV2P05	GV2P06	GV2P07	GV2P08	GV2P10
range (A):						
Rated ultimate break. Cap. Icu (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100
690 V	100	100	100	8	8	6
Rated service breaking cap. Ics (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100
690 V	100	100	100	8	8	6
Utilisation category:	A	A	A	A	A	A

Types:	GV2P14	GV2P16	GV2P20	GV2P21	GV2P22	GV2P32
Rated operational voltage Ue(V):	690	690	690	690	690	690
Rated insulation voltage Ui (V):	690	690	690	690	690	690
Rated current (A):	10	14	18	23	25	32
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	6-10	9-14	13-18	17-23	20-25	24-32
Rated ultimate break. Cap. Icu (kA)						
415 V	100	100	50	50	50	50
500 V	50	50	10	10	10	10
690 V	6	6	4	4	4	4
Rated service breaking cap. Ics (kA)						
415 V	100	100	25	25	25	25
500 V	50	31,5	7,5	7,5	7,5	7,5
690 V	6	6	4	4	4	4
Utilisation category:	A	A	A	A	A	A

Types:	GV2L03	GV2L04	GV2L05	GV2L06	GV2L07	GV2L08
Rated operational voltage Ue(V):	690	690	690	690	690	690
Rated insulation voltage Ui (V):	690	690	690	690	690	690
Rated current (A):	0,4	0,63	1	1,6	2,5	4
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-	-	-
Rated ultimate break. cap. Icu (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100
690 V	100	100	100	4	4	4
Rated service breaking cap. Ics (kA)						
415 V	100	100	100	100	100	100
500 V	100	100	100	100	100	100

Types:	GV2L03	GV2L04	GV2L05	GV2L06	GV2L07	GV2L08
690 V	100	100	100	4	4	4
Utilisation category:	A	A	A	A	A	A

Types:	GV2L10	GV2L14	GV2L16	GV2L20	GV2L22	GV2L32
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	6,3	10	14	18	25	32
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-	-	-
Rated ultimate break. cap. I _{cu} (kA)						
415 V	100	100	50	50	50	50
500 V	100	100	50	10	10	10
690 V	4	4	4	4	4	4
Rated service breaking cap. I _{cs} (kA)						
415 V	100	100	25	25	25	25
500 V	100	100	25	7,5	7,5	7,5
690 V	4	4	4	4	4	4
Utilisation category:	A	A	A	A	A	A

Types:	GV2LE03	GV2LE04	GV2LE05	GV2LE06	GV2LE07	GV2LE08
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	0.4	0.63	1	1.6	2.5	4
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-		-
Rated ultimate break. cap. I _{cu} (kA)						
415 V	100	100	100	100	100	100
690 V	100	100	100	100	3	3
Rated service breaking cap. I _{cs} (kA)						
415 V	100	100	100	100	100	100
690 V	100	100	100	100	2.25	2.25
Utilisation category:	A	A	A	A	A	A

Types:	GV2LE10	GV2LE14	GV2LE16	GV2LE20	GV2LE22	GV2LE32
Rated operational voltage U _e (V):	690	690	690	690	690	690
Rated insulation voltage U _i (V):	690	690	690	690	690	690
Rated current (A):	6.3	10	14	18	25	32
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-	-	-

Types:	GV2LE10	GV2LE14	GV2LE16	GV2LE20	GV2LE22	GV2LE32
Rated ultimate break. cap. Icu (kA)						
415 V	100	100	15	15	15	10
690 V	3	3	3	3	3	3
Rated service breaking cap. Ics (kA)						
415 V	100	100	7.5	7.5	6	5
690 V	2.25	2.25	2.25	2.25	2.25	2.25
Utilisation category:	A	A	A	A	A	A

Types:	GV2LM01	GV2LM02	GV2LM03	GV2LM04	GV2LM05	GV2LM06
Rated operational voltage Ue(V):	690	690	690	690	690	690
Rated insulation voltage Ui (V):	690	690	690	690	690	690
Rated current (A):	0.16	0.25	0.4	0.63	1.0	1.6
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-	-	-
Rated ultimate break. cap. Icu (kA)						
415 V	100	100	100	100	100	100
690 V	100	100	100	100	100	100
Rated service breaking cap. Ics (kA)						
415 V	100	100	100	100	100	100
690 V	100	100	100	100	100	100
Utilisation category:	A	A	A	A	A	A

Types:	GV2LM07	GV2LM08	GV2LM10	GV2LM14	GV2LM16	GV2LM20
Rated operational voltage Ue(V):	690	690	690	690	690	690
Rated insulation voltage Ui (V):	690	690	690	690	690	690
Rated current (A):	2.5	4	6.3	10	14	18
Rated frequency (Hz):	50/60	50/60	50/60	50/60	50/60	50/60
Overload release setting range (A):	-	-	-	-	-	-
Rated ultimate break. cap. Icu (kA)						
415 V	100	100	100	100	15	15
690 V	3	3	3	3	3	3
Rated service breaking cap. Ics (kA)						
415 V	100	100	100	100	7.5	7.5
690 V	2.25	2.25	2.25	2.25	2.25	2.25
Utilisation category:	A	A	A	A	A	A

Types:	GV2LM21	GV2LM22	GV2LM32	-	-	-
Rated operational voltage Ue(V):	690	690	690			
Rated insulation voltage	690	690	690			

Types:	GV2LM21	GV2LM22	GV2LM32	-	-	-
Ui (V):						
Rated current (A):	23	25	32			
Rated frequency Hz:	50/60	50/60	50/60			
Overload release setting range (A):	-	-	-			
Rated ultimate break. cap. I _{cu} (kA)						
415 V	15	15	10			
690 V	3	3	3			
Rated service breaking cap. I _{cs} (kA)						
415 V	6	6	5			
690 V	2.25	2.25	2.25			
Utilisation category:	A	A	A			

Accessories: Under voltage trip, shunt trip, voltage trip, contact modules, auxiliary contacts

GVAE Auxiliary contacts

GVAN..Auxiliary contacts

GVAD..Auxiliary contact

GVAM11 Auxiliary contacts

GVAU..undervoltage trip

GVAX..undervoltage trip

GVAS.. shunt trip

GV2AF01 Combination blocks

LA9LB920: current limiter forGV2ME, GV2P and GV2RT

GV1L3: current limiter for GV2ME and GV2P

Application/Limitation

Motor- protected circuit breaker including overload release, thermal magnetic release.

For installation inside switchboards / enclosures onboard ships and offshore units.

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

Type Approval documentation

Name	Documents No.	Issued date
	ART834519 and MKTED210011EN	2025-02
	00901-CB2025CQC-120488-1	
	00901-CB2025CQC-120488-2	

Tests carried out

Type tests according to IEC 60947-1, IEC 60947-2 (5th Ed + A1) including Annex H, IEC60 947-4-1 (4th Ed.), sequence 1, 2 & 3, and

GV2MExxA : type test in accordance with IEC 60947-4-1:2023, IEC 60947-2:2024;

GVAExxA : type test in accordance with IEC 60947-5-1:2024.

Environmental tests: Cold,dry heat ,damp heat ,vibration, inclination ,high voltage, insulation resistance test in accordance with IACS UR E10 REV.9 ;

Marking of product

Telemecanique - Schneider Electric - Type designation.

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.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE