TYPE APPROVAL CERTIFICATE

Certificate No:
TAE0000202
Revision No:
1

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
Grenoble, **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 **2022-08-31**

This Certificate is valid until **2027-08-30**.
DNV local station: **France CMC**

Approval Engineer: **Marcin Tobiasz**

for **DNV**
Digitally Signed By: Sjåvåg, Trond
Location: DNV Høvik, Norway
on behalf of

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 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 300,000 USD.

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

Product description

Motor starters (circuit breaker/ contactor combination) type:
GV2-ME01, GV2-ME02, GV2-ME03, GV2-ME04, GV2-ME05, GV2-ME06, GV2-ME07,
GV2-ME08, GV2-ME10, GV2-ME14, GV2-ME16, GV2-ME20, GV2-ME21, GV2-ME22 and GV2-ME32.

GV2-P01, GV2-P02, GV2-P03, GV2-P04, GV2-P05, GV2-P06, GV2-P07, GV2-P08, GV2-P10, GV2-P14, GV2-P16, GV2-P20, GV2-P21, GV2-P22 and GV2-P32.
GV2-L03, GV2-L04, GV2-L05, GV2-L06, GV2-L07, GV2-L08, GV2-L10, GV2-L14, GV2-L16, GV2-L20, GV2-L22 and GV2-L32.

Types:	**GV2-ME01**	**GV2-ME02**	**GV2-ME03**	**GV2-ME04**	**GV2-ME05**	**GV2-ME06**
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):	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. Icu (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. Ics (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:	**GV2-ME07**	**GV2-ME08**	**GV2-ME10**	**GV2-ME14**	**GV2-ME16**	**GV2-ME20**
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):	1.6-2.5	2.5-4	4-6.3	6-10	9-14	13-18
Rated ultimate break. cap. Icu (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. Ics (kA)						
415 V	100	100	100	100	7.5	7.5

Types:	**GV2-ME07**	**GV2-ME08**	**GV2-ME10**	**GV2-ME14**	**GV2-ME16**	**GV2-ME20**
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:	**GV2-ME21**	**GV2-ME22**	**GV2-ME32**	**GV2-P01**	**GV2-P02**	**GV2-P03**
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):	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. Ics (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:	**GV2-P04**	**GV2-P05**	**GV2-P06**	**GV2-P07**	**GV2-P08**	**GV2-P10**
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):	0.63	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 range (A):	0.40-0.63	0,63-1	1-1,6	1,6-2,5	2,5-4	4-6,3
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:	**GV2-P14**	**GV2-P16**	**GV2-P20**	**GV2-P21**	**GV2-P22**	**GV2-P32**
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	50	50	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:	**GV2-L03**	**GV2-L04**	**GV2L05**	**GV2-L06**	**GV2-L07**	**GV2-L08**
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
690 V	100	100	100	100	4	4
Utilisation category:	A	A	A	A	A	A

Types:	**GV2-L10**	**GV2-L14**	**GV2-L16**	**GV2-L20**	**GV2-L22**	**GV2-L32**
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):	6,3	8	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. Icu (kA)						
415 V	100	100	50	50	50	50

Types:	**GV2-L10**	**GV2-L14**	**GV2-L16**	**GV2-L20**	**GV2-L22**	**GV2-L32**
500 V	100	100	100	10	10	10
690 V	4	4	4	4	4	4
Rated service breaking cap. Ics (kA)						
415 V	100	100	100	25	25	17,5
500 V	100	100	100	7,5	7,5	7,5
690 V	4	4	4	4	4	4
Utilisation category:	A	A	A	A	A	A

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

Application/Limitation

Motor- protected circuit breaker including overload release, thermal magnetic release.
Applicable for use in an IT net with a voltage up to 690 V.

Type Approval documentation

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 environmental tests.

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