



Marine & Offshore

Certificate number: 05570/F0 BV

File number: ACE 02/003/38

Product code: 2633H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

SCHNEIDER ELECTRIC ELECTROPOLE 38EQI

Grenoble Cedex 09 - FRANCE

for the type of product

CIRCUIT BREAKERS (LOW VOLTAGE)

GV2-.... series.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.
IEC 60947-2 (2013), IEC 60947-4-1 (2012).

EC Code: 31/41

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 19 Feb 2024

For Bureau Veritas Marine & Offshore,

At BV LYON, on 19 Feb 2019,

Florian Aulen



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=vcizeh92an>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Motor circuit breakers - Motor starters **GV2...** series

Product Type	Number of Poles	Rated voltage (V)	Maximum operating current (A)	Breaking capacity (kA)	Remarks
GV2-M.. and GV2ME.. GV2-P.. GV2-L.. GV2-RT..	3	690	0.1 to 32	(1) (Icu / 415 V) (10 to 100 kA) (Icu / 440 V) (6 to > 100 kA) (Icu / 500 V) (4 to > 100 kA) (Icu 690 V) (3 to > 100kA)	(1) See technical characteristics in catalog MKTED210011EN (01/2019)
Additive accessories GV2-AE ..and GV-AE.. GV2-AN.. and GV-AN.. GV2-AD.. and GV-AD.. GV2-AM11 and GV-AM11 GV2-AU..and GV-AU.. GV2-AS.. and GV-AS.. GV2-AX.. and GV-AX.. GV2-AF01		250 690 690 690 690 690 690	2.5 6 6 2.5		
LA9-LB920: current limiter for GV2ME, GV2P and GV2RT GV1L3: current limiter for GV2ME and GV2P	3	690	63	Refer to breaking capacities given in IEC test reports (2)	(2) See IEC test reports N°00901-CB2013CQC-055141-1-M1 N°00901-CB2013CQC-055141-2-M1

2. DOCUMENTS AND DRAWINGS:

Extract "TESYS GV2" of catalog reference MKTED210011EN dated on 15/01/2019

3. TEST REPORTS:

- 3.1 - Certificates of Conformity N°s 21-25/40/41/43/44/33/34/35/36/37/38/26/75/86/87/90/9181/82/83/76/74, 082-97, 083-97, 084-97, 085-97, 078-97, 079-97, 080-97, 081-97, 075-97, 076-97, 077-97, 085-04BT, 086-04BT, 05-04BT and 06-04BT issued by ASEFA
- 3.2 - Test reports N°s : K11-94-06A issued by ASEFA on 24/05/95
K11-94-21 issued by ASEFA on 19/10/94
K11-94-05A issued by ASEFA on 05/09/94
K11-94-35A issued by ASEFA on 24/05/95
K11-94-46A issued by ASEFA on 19/10/94
- 3.3 - L2E Test Report N° 2007-0837-00 dated 06/11/2007
- 3.4 - Environment test reports issued by Volta N°201507536_001 dated on 15/01/16, N°201507537_001 dated on 18/01/16, N°201507536_001 dated on 27/01/16 and N°201507539_001 dated on 26/01/16.
- 3.5 - IEC EE CB Scheme certificate No. CN33442, dated 01/04/2015.
- 3.6 - IEC test reports N°00901-CB2013CQC-055141-1-M1 and 00901-CB2013CQC-055141-2-M1 dated 23/02/2017.

4. APPLICATION / LIMITATION:

- 4.1 - According to BV Rules for the Classification of Steel Ships.
- 4.2 - BUREAU VERITAS Environmental Category, **EC Code: 31/41.**

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above products are to be supplied by **Schneider Electric Industries SAS** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **Schneider Electric Industries SAS** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **Schneider Electric Industries SAS** has declared to Bureau Veritas the following production site(s):

Schneider Electric France
6-8 rue du Bailly
BP 97812
21078 Dijon cedex
FRANCE

Schneider Thailand limited
540 Soi 9 Bangpoo Industrial Estate
Sukhumvit Road, Muang District
Samutprakam
THAILAND

6. MARKING OF PRODUCT:

According to IEC 60947 specifications.

7. OTHERS:

7.1 - It is **Schneider Electric Industries SAS**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 05570/E1 BV issued on 18 May 2016 by the Society.

***** END OF CERTIFICATE *****