



Certificate number: 43555/C0 BV

File number: ACE2/131/3

Product code: 2638H

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 INDUSTRIES SAS - ELECTROPOLE 38EQI
EYBENS - FRANCE

for the type of product

SWITCH-DISCONNECTORS

NTHA Switch-disconnectors series.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
IEC 60947-1 (2020), IEC 60947-3 (2020)

EC Code: 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 Dec 2030

For Bureau Veritas Marine & Offshore,

At BV LYON, on 19 Dec 2025,

Michaël Vavro

This certificate was created electronically and is valid without signature



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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

The **NTHA series** are switch disconnectors is made of NT circuit breakers, without the trip unit.

1.1 - Specification:

Type	NT06HA	NT08HA	NT10HA	NT12HA	NT16HA
Rated voltage:	1000Vac				
Rated current:	630A	800A	1000A	1250A	1600A
Rated frequency:	50/60Hz				
Rated short circuit making capacity, Icm:	220-240V/75kA 440V/75kA 525-690/75kA				
Rated short time withstand current, Icw:	36kA - 1s 20kA - 3s				

2. DOCUMENTS AND DRAWINGS :

Catalog No. LVPED208008EN, dated Feb 2023.

3. TEST REPORTS :

LCIE-Laboratoire Central des Industries Electriques:

- CB Scheme certificate No. FR_716061, dated 06 Dec 2022; with test report No. 22119Y90042, dated 24 Nov 2022.
- CB Scheme certificate No. FR 556676, dated 05.May.2008.

Asefa:

- Tests report No. FR03-CLIM040066-1A, dated 18.Apr.2005.
- Tests report No. FR03-CLIM040066-2A, dated 18.Apr.2005.
- Test report No. FR03-VIBR040060A, dated 02.Sep.2004.
- Test report No. FR03-VIBR040061A, dated 02.Sep.2004.

DEKRA Certification B.V.:

- Tests report No. 2266478.01-INC, dated 18 Jul 2022.
- Tests report No. 2266490.0501-EMC, dated 11 Jul 2022.
- Tests report No. 2266490.0502-EMC, dated 11 Jul 2022.

4. APPLICATION / LIMITATION :

4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships.

4.2 - BUREAU VERITAS Environmental Category, **EC Code: 41.**

4.3 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev9.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** 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 - ELECTROPOLE 38EQI** 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 - ELECTROPOLE 38EQI** has declared to Bureau Veritas the following production sites:

**SCHNEIDER ELECTRIC FRANCE - MASTERTECH
70 RUE DE LA GRANGE BATIE
ZONE INDUSTRIELLE CENTR' ALP
38430 MOIRANS
FRANCE**

**SCHNEIDER SHANGHAI POWER DISTRIBUTION ELEC. APP. CO, LTD
833 Kang Qiao Lu Pu Dong
201315 SHANGHAI
CHINA**

**SCHNEIDER ELECTRIC ALPES
Zone d'activités Alpespace
Rue Isaac Newton
73800 Porte-de-Savoie
FRANCE**

6. MARKING OF PRODUCT :

6.1 - Trade name.

6.2 - Date of manufacture and serial number.

6.3 - Equipment type or model identification under which it was type-tested

7. OTHERS :

7.1 - It is **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI**'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° 43555/B0 BV issued by the Society.

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