



Marine & Offshore

Certificate number: 39346/B1 BV

File number: ACE2/131/2

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
COMPACT INS/INV series.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

EC Code: 31.

IEC 60947-1 (2020)

IEC 60947-3 (2020)

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: 03 May 2028

For Bureau Veritas Marine & Offshore,

At BV LYON, on 13 Dec 2024,

Yann Krempelwicz

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 **Compact INS/INV series** are non-automatic switches with rotary handles.

1.1 - INS approval range:

Type	INS40	INS63	INS80	INS100	INS125	INS160
Number of pole	3-4					
Rated voltage	500VAC/250VDC			690VAC/250VDC		
Rated thermal current	40A	63A	80A	100A	125A	160A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

Type	INS250-100	INS250-160	INS250-200	INS250	INS320	INS400
Number of pole	3-4					
Rated voltage	690VAC / 250VDC					
Rated thermal current	100A	160A	200A	250A	320A	400A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

Type	INS500	INS630
Number of pole	3-4	3-4
Rated voltage	690VAC / 250VDC	
Rated thermal current	500A	630A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

Type	INS630b	INS800	INS1000	INS1250	INS1600	INS2000	INS2500
Number of pole	3-4						
Rated voltage	690VAC / 250VDC						
Rated thermal current	630A	800A	1000A	1250A	1600A	2000A	2500A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

1.2 - INV approval range:

Type	INV100	INV160	INV200	INV250	INV320	INV400
Number of pole	3-4					
Rated voltage	690VAC / 250VDC					
Rated thermal current	100A	160A	200A	250A	320A	400A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

Type	INV500	INV630
Number of pole	3-4	3-4
Rated voltage	690VAC / 250VDC	
Rated thermal current	500A	630A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

Type	INV630b	INV800	INV1000	INV1250	INV1600	INV2000	INV2500
Number of pole	3-4						
Rated voltage	690VAC / 250VDC						
Rated thermal current	630A	800A	1000A	1250A	1600A	2000A	2500A

Note: For rated operational current, please check the manufacturer's documentation described in §2.

2. DOCUMENTS AND DRAWINGS :

Catalog N° LVPED213024EN, dated Dec 2019.

3. TEST REPORTS :**Schneider Electric:**

- Tests report ref. RI 201504588_001, dated 03 Nov 2015.

DEKRA:

- CB Schemes refs. 2171689.50/51/52/53/54/55/56/57/58, all dated 16 Jun 2014.

TUV Rheinland InterCert Kft., MEEI Division:

- CB Scheme N° HU-004507, dated 18 Sep 2024; with the test report N° HU23S80A 001, dated 10 Sep 2024.
- CB Scheme N° HU-004508, dated 18 Sep 2024; with the test report N° HU23S160 001, dated 10 Sep 2024.
- CB Scheme N° HU-004509, dated 18 Sep 2024; with the test report N° HU23S250 001, dated 10 Sep 2024.
- CB Scheme N° HU-004510, dated 18 Sep 2024; with the test report N° HU23S630 001, dated 11 Sep 2024.
- CB Scheme N° HU-004511, dated 18 Sep 2024; with the test report N° HU23S1K6 001, dated 17 Sep 2024.
- CB Scheme N° HU-004512, dated 18 Sep 2024; with the test report N° HU23S2K5 001, dated 11 Sep 2024.
- CB Scheme N° HU-004513, dated 18 Sep 2024; with the test report N° HU23V250 001, dated 10 Sep 2024.
- CB Scheme N° HU-004514, dated 18 Sep 2024; with the test report N° HU23V630 001, dated 11 Sep 2024.
- CB Scheme N° HU-004515, dated 18 Sep 2024; with the test report N° HU23V1K6 001, dated 17 Sep 2024.
- CB Scheme N° HU-004516, dated 18 Sep 2024; with the test report N° HU23V2K5 001, dated 11 Sep 2024.

4. APPLICATION / LIMITATION :

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

4.2 - BUREAU VERITAS Environmental Category, **EC Code: 31.**

4.3 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev 9.

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 Industries Polska Sp. z o.o.
ul. Mostowa 19
32-332 BUKOWNO
POLAND

Schneider (Beijing) Low Voltage Co., Ltd.
No. 2, Liang Shui He 2nd Street
Beijing Economic and Technological Development Area
100176 Beijing
CHINA

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° 39346/B0 BV issued by the Society.

*** END OF CERTIFICATE ***