

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATE

Br /No	03-001649/031370
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Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.
This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

KOMPAKTNI PREKIDAČ
MOULDED CASE CIRCUIT BREAKER

Tip
Type

Compact NSX Series
NSX 100, NSX 160, NSX 250 - Ver. B, F, N, H, S, L, R, HB1, HB2
NSX 400, NSX 630 - Ver. F, N, H, S, L, R, HB1, HB2

PROIZVOĐAČ:
MANUFACTURER:

SCHNEIDER ELECTRIC INDUSTRIES SAS

31 Rue Pierre Mendes France – Eybens
38050 Grenoble Cedex 9
FRANCUSKA - FRANCE

PROIZVOD UDOVOLJAVA SLJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova: PRAVILA ZA KLASIFIKACIJU BRODOVA, ELEKTRIČNA OPREMA, DIO 12

Croatian Register of Shipping: RULES FOR THE CLASSIFICATION OF SHIPS, ELECTRICAL EQUIPMENT, PART 12

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2022-01-17
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2018-08-21
Place and date:

M.P.
(Seal)

Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

PODROBNIJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

General features:

Rated frequency: 50/60 Hz.
 Number of poles: 3, 4.
 Rated operational voltage (Ue).
 Utilization Category: A
 Insulation voltage Ui: 800V
 Suitable for Insulation: yes

NSX 100, NSX 160, NSX 250 – Version B, F, N, H, S, L.

(*) Rated operational current (Ie) at 40°C: 63A to 250A

NSX100 B / NSX160 B / NSX250 B

Ue (V)	Ics (kA)	Icu (kA)
220/240	40	40
380/415	25	25
440	20	20

NSX100 F / NSX160 F / NSX250 F

Ue (V)	Ics (kA)	Icu (kA)
220/240	85	85
380/415	36	36
440	35	35

NSX100 N / NSX160 N / NSX250 N

Ue (V)	Ics (kA)	Icu (kA)
220/240	90	90
380/415	50	50
440	50	50

NSX100 H / NSX160 H / NSX250 H

Ue (V)	Ics (kA)	Icu (kA)
220/240	100	100
380/415	70	70
440	65	65

NSX100 S / NSX160 S / NSX250 S

Ue (V)	Ics (kA)	Icu (kA)
220/240	120	120
380/415	100	100
440	90	90

NSX100 L / NSX160 L / NSX250 L

Ue (V)	Ics (kA)	Icu (kA)
220/240	150	150
380/415	150	150
440	130	130

NSX 100, NSX 160, NSX 250 - Version R, HB1, HB2

(*) Rated operational current (Ie) at 40°C: 40A to 250A

NSX100 R / NSX160 R / NSX250 R

Ue (V)	Ics (kA)	Icu (kA)
220/240	200	200
380/415	200	200
440	200	200
500	80	80
525	65	65
660/690	45	45

NSX100 HB1 / NSX160 HB1 / NSX250 HB1

Ue (V)	Ics (kA)	Icu (kA)
500	85	85
525	80	80
660/690	75	75

NSX100 HB2 / NSX160 HB2 / NSX250 HB2

Ue (V)	Ics (kA)	Icu (kA)
500	100	100
525	100	100
660/690	100	100

Overcurrent protective devices:

**With electronic trip unit Micrologic 2.2, 2.2M, 5.2A, 5.2E, 6.2A, 6.2E, 6.2E-M,
 or with magnetic trip unit MA
 or with thermal - magnetic trip unit TMD**

NSX 400, NSX 630 - Version F, N, H, S, L.

(*) Rated operational current (Ie) at 40°C: 400A to 630A

NSX400 F / NSX630 F

Ue (V)	Ics (kA)	Icu (kA)
220/240	40	40
380/415	36	36
440	30	30
500	25	25
525	10	20
660/690	10	10

NSX400 N / NSX630 N

Ue (V)	Ics (kA)	Icu (kA)
220/240	85	85
380/415	50	50
440	42	42
500	30	30
525	11	22
660/690	10	10

NSX400 H / NSX630 H

Ue (V)	Ics (kA)	Icu (kA)
240	100	100
3B0/415	70	70
440	65	65
500	50	50
525	11	35
660/690	10	20

NSX400 S / NSX630 S

Ue (V)	Ics (kA)	Icu (kA)
220/240	120	120
380/415	100	100

NSX400 L / NSX630 L

Ue (V)	Ics (kA)	Icu (kA)
220/240	150	150
380/415	150	150

NSX400 - Version R, HB1, HB2

(*) Rated operational current (Ie) at 40°C: 400A

NSX400 R

Ue (V)	Ics (kA)	Icu (kA)
220/240	200	200
380/415	200	200
440	200	200
500	80	80
525	65	65
660/690	45	45

NSX400 HB1

Ue (V)	Ics (kA)	Icu (kA)
500	85	85
525	80	80
660/690	75	75

NSX400 HB2

Ue (V)	Ics (kA)	Icu (kA)
500	100	100
525	100	100
660/690	100	100

NSX 630 - Version R, HB1, HB2

(*) Rated operational currents (In) at 40°C: Ir 225A to 500A Ir501A to 630A

NSX630 R Ir 225A to 500A

Ue (V)	Ics (kA)	Icu (kA)
220/240	200	200
380/415	200	200
440	200	200
500	80	80
525	65	65
660/690	45	45

NSX630 HB1 Ir 225A to 500A

Ue (V)	Ics (kA)	Icu (kA)
500	85	85
525	80	80
660/690	75	75

NSX630 HB2 Ir 225 to 500A

Ue (V)	Ics (kA)	Icu (kA)
500	100	100
525	100	100
660/690	100	100

NSX630 R Ir 501A to 630A

Ue (V)	Ics (kA)	Icu (kA)
220/240	200	200
380/415	200	200
440	200	200
500	80	80
660/690	/	45

NSX630 HB1 Ir 501A to 630A

Ue (V)	Ics (kA)	Icu (kA)
500	85	85
525	/	80
660/690	/	75

NSX630 HB2 Ir 501A to 630A

Ue (V)	Ics (kA)	Icu (kA)
500	100	100
525	/	100
660/690	/	100

Overcurrent protective devices:*With electronic trip unit Micrologic 1.3M, 2.3, 2.3M, 5.3A, 5.3E, 6.3A, 6.3E, 6.3E-M***Note:***Ics = Rated service short circuit breaking capacity; Icu = Rated ultimate short circuit breaking capacity**Icm = Rated short circuit making capacity (**)*

(*) A derating of the rated current is to be considered with an ambient temperature of 45°C according to the SCHNEIDER Catalogue n° ART834519 Ed. 2008.

(**) Icm (kA) in accordance with Standard IEC 60947-2, Tab. 2.

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
*APPLICATION / LIMITATIONS:***Za unutarnju montažu.***For indoor installation.***DOKUMENTACIJA ZA TIPNO ODOBRENJE:**
*TYPE APPROVAL DOCUMENTATION:***ASEFA Certificates of conformity****(NSX100-NSX160-NSX250: B F N H S L) (NSX400 - NSX630: F N H S L)**

n° 006-09BT (27.02.2009); n° 021a-08BT (19.12.2008) ; n° 025a-08BT (19.12.2008); n° 027a-08BT (19.12.2008);
n° 030a-08BT (19.12.2008); n° 033a-08BT (19.12.2008); n° 036a-08BT (19.12.2008); n° 015-08BT (22.04.2008);
n° 05C-08BT (27.02.2009); n° 068C-08BT (11.03.2009); n° 139a-08BT (27.02.2009); n° 139a-09BT (27.02.2009);
n° 007-09BT (11.03.2009); n° 008-09BT (11.03.2009); n° 079b-08BT (11.03.2009); n° 080b-08BT (11.03.2009);
n° 081b-08BT (11.03.2009); n° 095b-08BT (11.03.2009); n° 010-09BT (11.03.2009); n° 093b-08BT (11.03.2009);
n° 094b-08BT (11.03.2009); n° 009-09BT (11.03.2009); n° 08a-08BT (27.02.2009); n° 136-08BT (26.09.2008);
n° 142a-08BT (11.03.2009); n° 20-08BT (18.12.2008); Test report: F01 200800129_V2_014 (05.12.2008).

L2E Laboratory Test Reports (NSX 100 - NSX 160 - NSX 250 : R, HB1, HB2)

n° 201200923_001 (08/02/2013); n° 201200923_002 (27/02/2013); n° 201200923_003 (14/01/2013);
n° 201200923_004 (17/12/2012); n° 201200923_005 (07/02/2013); n° 201200923_006 (31/01/2013);
n° 201200923_007 (21/01/2013); n° 201200923_008 (12/02/2012); n° 201200923_009 (14/01/2013).

ASEFA Certificates of conformity (NSX 100 - NSX 160 - NSX 250 : R, HB1, HB2)

n° 026-13BT (13/03/2013); 021-13BT (14/03/2013); n° 022-13BT (14/03/2013); n° 023-13BT (14/03/2013);
n° 024-13BT (14/03/2013); n° 025-13BT (14/03/2013); n° 02-13BT (14/03/2013).

L2E Laboratory Test Reports (NSX 400 - NSX630 : R, HB1, HB2)

n° 201200923_010 (25/02/2013); n° 201200923_011 (01/15/2013); n° 201200923_012; (01/07/2013);
n° 201200923_013 (01/17/2013); n° 201200923_014 (01/08/2013); n° 201200923_015; (01/07/2013);
n° 201200923_016(01/11/2013).

ASEFA Certificates (NSX 400 - NSX630 : R, HB1, HB2)

n° 028-13BT (13/03/2013); 03-13BT (14/03/2013); 011a-13BT (20/03/2013); 015a-13BT (20/03/2013);
n° 009a-13BT (20/03/2013); n° 013a-13BT (20/03/2013);

OZNAČAVANJE PROIZVODA:
*MARKING OF PRODUCT:***Kako je navedeno u opisu proizvoda.***As is indicate in product description.***UVJETI ZA CERTIFIKACIJU:**
*CONDITIONS FOR CERTIFICATION:***Ne / No**