



Certificate No. 03-001943/031647

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

**CIRCUIT BREAKERS
ComPacT NSX 100-630**

MANUFACTURER:

SCHNEIDER ELECTRIC INDUSTRIES SAS

35 Rue Joseph Monier
92500 Rueil Malmaison
FRANCE

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS, Part 12 – Electrical equipment

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: 2027-02-27

Place and date: Split, 2023-02-28

Seal _____

Marinko Popović, dipl.ing.

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.

DETAILED PRODUCT DESCRIPTION:

ComPacT NSX circuit breakers from 100 to 630 A up to 690 V with the following data:

NSX100-160-250										
Rated insulation voltage: U_i (V)	800									
Maximum rated operational voltage: U_e (V)	690									
Maximum rated current: I_n (A) at 40° C	100-160-250									
Rated operational frequency: (Hz)	50/60									
Rated service short circuit breaking capacity: I_{cs} (kA)	U_e (V)	B	F	N	H	S	L	R	HB1	HB2
	220/240	40	85	90	100	120	150	200		
	380/415	25	36	50	70	100	150	200		
	440	20	35	50	65	90	130	200		
	500	7*/15	12*/30	36	50	65	70	80	85	100
	525		11*/22	35	35	40	50	65	80	100
660/690		4*/8	10	10	15	20	45	75	100	
*Only for NSX100										
Rated ultimate short circuit breaking capacity: I_{cu} (kA)	U_e (V)	B	F	N	H	S	L	R	HB1	HB2
	220/240	40	85	90	100	120	150	200		
	380/415	25	36	50	70	100	150	200		
	440	20	35	50	65	90	130	200		
	500	15	25	36	50	65	70	80	85	100
	525		22	35	35	40	50	65	80	100
660/690		8	10	10	15	20	45	75	100	

Overcurrent protective device:

With electronic trip unit MicroLogic 2.2, 2.2M, 5.2E, 6.2E, 6.2E-M

or with magnetic trip unit MA

or with thermal - magnetic trip unit TMD

NSX400-630										
Rated insulation voltage: U_i (V)	800									
Maximum rated operational voltage: U_e (V)	690									
Maximum rated current: I_n (A) at 40° C	400-630									
Rated operational frequency: (Hz)	50/60									
Rated service short circuit breaking capacity: I_{cs} (kA)	U_e (V)	F	N	H	S	L	R	HB1	HB2	
	220/240	40	85	100	120	150	200			
	380/415	36	50	70	100	150	200			
	440	30	42	65	90	130	200			
	500	25	30	50	65	70	80	85	100	
	525	10	11	11	12	12	*/65	*/80	*/100	
660/690	10	10	10	12	12	*/45	*/75	*/100		
*Values for CB's with $I_r=501-630A$										
Rated ultimate short circuit breaking capacity: I_{cu} (kA)	U_e (V)	F	N	H	S	L	R	HB1	HB2	
	220/240	40	85	100	120	150	200			
	380/415	36	50	70	100	150	200			
	440	30	42	65	90	130	200			
	500	25	30	50	65	70	80	85	100	
	525	20	22	35	40	50	65	80	100	
660/690	10	10	20	25	35	45	75	100		
Overcurrent protective device: With electronic trip unit MicroLogic 1.3M, 2.3, 2.3M, 5.3E, 6.3E, 6.3M										

APPLICATION / LIMITATIONS:

CRS Rules for the classification of ships.

TYPE APPROVAL DOCUMENTATION:

Catalog 2022 – ComPacT NSX & NSXm

Test Report No.:

2011990033 & AMD No1; 2011990035 & AMD No1; 2011990036 & AMD No1; 2011990037 & AMD No1

IEC CB Test Certificate:

FR_711870/M1, FR_711871/M1, FR_711869/M1, FR_711873/M1

MARKING OF PRODUCT:

According to IEC60947.

CONDITIONS FOR CERTIFICATION:

No