

IEC

IECEE

Ref. Certif. No.

FR\_711870/M2

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Moulded-case circuit-breaker

Name and address of the applicant

SCHNEIDER ELECTRIC INDUSTRIES SAS  
35, rue Joseph Monier  
92500 RUEIL-MALMAISON - FRANCE

Name and address of the manufacturer

SCHNEIDER ELECTRIC INDUSTRIES SAS  
35, rue Joseph Monier  
92500 RUEIL-MALMAISON - FRANCE

Name and address of the factory

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

See Annex

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

ComPacT NSX100B, NSX100F, NSX100N, NSX100H, NSX100S, NSX100L  
ComPacT NSX160B, NSX160F, NSX160N, NSX160H, NSX160S, NSX160L  
ComPacT NSX250B, NSX250F, NSX250N, NSX250H, NSX250S, NSX250L

Additional information (if necessary may also be reported on page 2)

Supersedes CBTC FR\_711870/M1 dated 29/10/2021. Update the list of components, Technical modification

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60947-2:2016 +A1:2019  
IEC 60947-1:2007 +A1:2010 +A2:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

2011990033, 2011990033-A1, 2011990033-M2

This CB Test Certificate is issued by the National Certification Body



LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE  
33 avenue du Général Leclerc  
92260 Fontenay-aux-Roses, FRANCE  
[www.lcie.fr](http://www.lcie.fr)



LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES  
S.A.S au capital de 15.745.984 €  
RCS Nanterre B 408 363 174  
33 avenue du Général Leclerc  
92266 FONTENAY AUX ROSES

Signature: Julien Gauthier  
Certification Officer

Date: 03/01/2022

## ANNEX

**Name and address of the factories:****SCHNEIDER (BEIJING) MEDIUM & LOW VOLTAGE Co., Ltd**

No 2, Liang Shui He 2nd Street, Beijing Economic Technological Development area  
100176 BEIJING – CHINA

**SCHNEIDER ELECTRIC Alpes**

Voie Isaac Newton ZI Alpespace  
73800 Francin - FRANCE

**SCHNEIDER ELECTRIC INDUSTRIES POLSKA Sp z.o.o.**

ul. MOSTOWA 19  
32-332 BUKOWNO - POLAND

**Schneider Electric India Pvt Ltd**

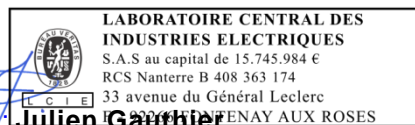
SURVEY NO 215, GAGILLAPUR VILLAGE, MEDAK ROAD, RANGAREDDY DISTRICT  
500 043 HYDERABAD (A.P.) - INDIA



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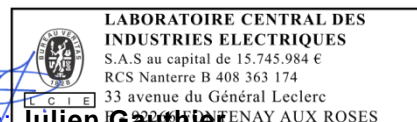
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Certification Officer

**ANNEX**
**References, ratings and main characteristics:**

Utilization category	A
Interruption medium	Air
Design	Moulded case
Method of controlling the operating mechanism	Independent manual
Suitability for isolation	Suitable
Provision for maintenance	Non-maintainable
Method of installation	Fixed, plug in, withdrawable
Protection degree :	IP40 for front cover
Type of release (thermo-magnetic / electronic)	TMD, MA, Electronic (Micrologic 2.2, 5.2B, 5.2B LS, 5.2B LI, 5.2B SI, 5.2A, 5.2E, 6.2A, 6.2E, 2.2M) Note: Micrologic 5.2B, 5.2B LS, 5.2B LI, 5.2B SI not applicable for NSX100B/160B/250B
Rated operational voltage $U_e$ : (V)	F/N/H/S/L types: AC220/240V, 380/415V, 440V, 500V, 525V, 660/690V B types: AC220/240V, 380/415V, 440V, 500V
Rated insulation voltage $U_i$ : (V)	800V
Rated impulse withstand voltage $U_{imp}$ : (kV)	8kV
Rated current $I_n$ : (A)	16/25/32/40/50/63/80/100/125/160/200/250A (TMD trip unit) 2,5/6,3/12,5/25/50/100/150/220A (MA trip unit) 25/40/100/160/250A for distribution protection (Micrologic 2.2, 5.2B, 5.32B LS, 5.2B LI, 5.2B SI, 5.2A, 5.2E, 6.2A, 6.2E) Note: 25A only apply to 5.2B, 5.2B LS, 5.2B LI, 5.2B SI. 25/50/100/150/220A for motor protection (Micrologic 2.2M)
Conventional free air thermal current $I_{th}$ : (A)	Equal to $I_n$
Conventional enclosed thermal current $I_{the}$ : (A)	N/A
Rated current for four pole circuit-breakers : (A)	Equal to $I_n$
Nature of supply :	AC
Rated frequency : (Hz)	50/60Hz
Number of protected poles :	2P (circuit breaker in 3P case), 3P, 4P (Distribution protection) 3P (motor protection)
Rated duty	uninterrupted duty



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## ANNEX

Rated ultimate short-circuit breaking capacity I<sub>cu</sub> :  
(A)

NSX100/160/250B:

40kA/ AC220/240V, 25kA/AC380/415V,  
20kA/AC440V, 15kA/AC500V,

NSX100/160/250F:

85kA/AC220/240V, 36kA/AC380/415V, 35kA/AC440V,  
25kA/AC500V, 22kA/AC525V, 8kA/AC660/690V

NSX100/160/250N:

90kA/AC220/240V, 50kA/ AC380/415V, 50kA/AC440V,  
36kA/ AC500V, 35kA /AC525V, 10kA/AC660/690V

NSX100/160/250H:

100kA/AC220/240V, 70kA/AC380/415V, 65kA/AC440V,  
50kA/AC500V, 35kA/AC525V, 10kA/AC660/690V

NSX100/160/250S:

120kA/AC220/240V, 100kA/AC380/415V, 90kA/AC440V,  
65kA/AC500V, 40kA /AC525V, 15kA/AC660/690V

NSX100/160/250L:

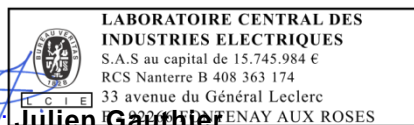
150kA/AC220/240V,  
150kA/AC380/415V, 130kA/AC440V, 70kA/AC500V,  
50kA/AC525V, 20kA/AC660/690V



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*Julien Gauthier*  
Signature: **Julien Gauthier**



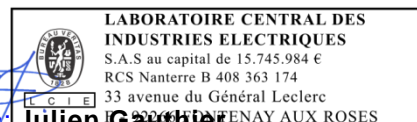
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## ANNEX

<i>Rated service short-circuit breaking capacity Ics : (A)</i>	<u>NSX100B:</u> 40kA /AC220/240V, 25kA /AC380/415V, 20kA /AC440V,7kA /AC500V	
	<u>NSX160/250B:</u> 40kA/ AC220/240V, 25kA/ AC380/415V, 20kA/ AC440V, 15kA/AC500V	
	<u>NSX100F:</u> 85kA /AC220/240V, 36kA /AC380/415V,35kA /AC440V, 12kA /AC500V, 11kA/AC525V, 4kA/AC660/690V	
	<u>NSX160/250F:</u> 85kA/ AC220/240V, 36kA/ AC380/415V,35kA/ AC440V, 30kA/AC500V,22kA/AC525V,8kA/AC660/690V	
	<u>NSX100/160/250N:</u> 90kA/ AC220/240V, 50kA/ AC380/415V,50kA/ AC440V, 36kA/AC500V, 35kA/AC525V,10kA/AC660/690V	
	<u>NSX100/160/250H:</u> 100kA/AC220/240V, 70kA/AC380/415V, 65kA/AC440V, 50kA/ AC500V, 35kA/AC525V, 10kA/AC660/690V	
	<u>NSX100/160/250S:</u> 120kA/AC220/240V, 100kA/AC380/415V,90kA/AC440V, 65kA/AC500V, 40kA/AC525V,15kA/ AC660/690V	
	<u>NSX100/160/250L:</u> 150kA/AC220/240V, 150kA/AC380/415V, 130kA/AC440V, 70kA/AC500V, 50kA/AC525V, 10kA/AC660/690V	
	<i>Rated short-time withstand current Icw : (A)</i>	N/A
	<i>Reference ambient calibration air temperature : (°C)</i>	40°C for TMD
<i>Electromagnetic compatibility :</i>	A	
<i>Pollution degree</i>	3	
<i>Material group :</i>	IIIa	
<i>safety distance (short-circuit tests) :</i>	Up/down: 0mm Left/right: 0mm Front/back: 0mm	
<i>Undervoltage release:</i>	MN From 24V AC to 525V AC From 12V DC to 250V DC	
<i>Shunt release:</i>	MX From 24V AC to 525V AC From 12V DC to 250V DC	



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