

IEC**IECEE**

Ref. Certif. No.

FR_712538

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

CTF2

Model / Type Ref.

ComPacT NSXm 63 types E,B,F,N,H : 16, 25, 32, 40, 50, 63A
ComPacT NSXm 160 types E,B,F,N,H : 80, 100, 125, 160A

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

Supersedes CBTC FR_705213/A1 dated 12/07/2019 and CBTC FR_705237/A1 dated 12/07/2019 : 1 certificat instead 2 (2 factories)

 Additional Information on page 2

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

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

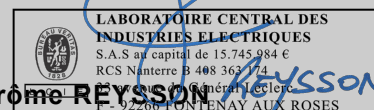
As shown in the Test Report Ref. No. which forms part of this Certificate

145987-697864BU - 145987-697864BE - 1811990045-M1 -
1811990046-M1 - 169778-758205

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

Date: 25/10/2021

Signature: **Jérôme REYSSON**
Certification Officer

IEC

TECEE

Ref. Certif. No.

FR_712538

ANNEX

Name and address of the factories:

SCHNEIDER ELECTRIC INDUSTRIES POLSKA Sp z.o.o.

ul. MOSTOWA 19
32-332 BUKOWNO
POLAND

SCHNEIDER (BEIJING) MEDIUM & LOW VOLTAGE Co., Ltd

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



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ANNEX

General structure of model references

NSXm 160 E, B, F, N, H
(a) (b) (c)

- (a): Product range: Circuit-breaker ComPacT
 (b): Product construction breaks:
 Construction break 1: 63 (16, 25, 32, 40, 50, 63A)
 Construction break 2: 160 (80, 100, 125, 160A)
 (c): Breaking capacity

3. Classification

3.1. Selectivity category: (A or B)	:	A
3.2. Interruption medium: (air, vacuum, gas break)	:	Air
3.3. Design: (open construction, moulded case)	:	Moulded case
3.4. Method of controlling the operation mechanism: (dependent manual, independent manual, dependent power, independent power, stored energy operation)	:	Independent manual
3.5. Suitability for isolation: (suitable, not suitable)	:	Suitable
3.6. Provision for maintenance: (maintainable, non-maintainable)	:	Non-maintainable
3.7. Method of installation: (fixed, plug-in, withdrawable)	:	Fixed
3.8. Degree of protection of enclosure: (IP code)	:	IP20 / IP40 (Long terminal shield)
4.7. Type of release (thermo-magnetic / electronic)	:	Thermo-magnetic
7.3 Electromagnetic compatibility (EMC) Environment A or B	:	A (Electronic shunt and undervoltage releases)
Circuit-breaker for use in IT systems	:	Yes
Rated and limiting values, main circuit		
- rated operational voltage: U_e (V)	:	690
- rated insulation voltage: U_i (V)	:	800
- rated impulse withstand voltage: U_{imp} (kV)	:	8
- rated current: I_n (A)	:	16 to 160
- kind of current	:	AC
- conventional free air thermal current: I_{th} (A)	:	160
- current rating for four-pole circuit-breakers: (A)	:	16 to 160
- number of poles	:	3 or 4
- rated frequency: (Hz)	:	50/60
Rated duty		
- uninterrupted duty: I_u (A)	:	16 to 160



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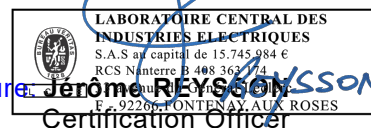
ANNEX

rated short-time making capacity: I_{cm} (kA)	:	N/A																																										
rated ultimate short-circuit breaking capacity: I_{cu} (kA)	:	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>NSXm Type</th> <th>E</th> <th>B</th> <th>F</th> <th>N</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>220 /240V</td> <td>25</td> <td>50</td> <td>85</td> <td>90</td> <td>100</td> </tr> <tr> <td>380 /415V</td> <td>16</td> <td>25</td> <td>36</td> <td>50</td> <td>70</td> </tr> <tr> <td>440V</td> <td>10</td> <td>20</td> <td>35</td> <td>50</td> <td>65</td> </tr> <tr> <td>500V</td> <td>8</td> <td>10</td> <td>15</td> <td>25</td> <td>30</td> </tr> <tr> <td>525V</td> <td>/</td> <td>/</td> <td>10</td> <td>15</td> <td>22</td> </tr> <tr> <td>660 / 690V</td> <td>/</td> <td>/</td> <td>/</td> <td>10</td> <td>10</td> </tr> </tbody> </table>	NSXm Type	E	B	F	N	H	220 /240V	25	50	85	90	100	380 /415V	16	25	36	50	70	440V	10	20	35	50	65	500V	8	10	15	25	30	525V	/	/	10	15	22	660 / 690V	/	/	/	10	10
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Instantaneous tripping current	:	Fixed 500A for In=16A to 40A Fixed 600A for In=50A Fixed 800A for In=63A Fixed 1000A for In=80A Fixed 1250A for In=100A to 160A
Reference ambient calibration air temperature: (°C):	:	40
Pollution degree	:	3
Material group	:	IIIa
Safety distance (short-circuit tests)	:	Up/down: 30/5mm Left/right: 0mm Front/back: 0mm
Shunt release	:	MX: 24 Vac 50/60Hz / 24 Vdc, 48 Vac 50/60Hz / 48 Vdc, 110-130 Vac 50/60Hz / 125 Vdc, 220-240 Vac 50Hz / 208-240 Vac 60Hz / 277 Vac 60Hz / 250 Vdc, 380-415 Vac 50Hz / 440-480 Vac 60Hz
Undervoltage release	:	MN: 24 Vac 50/60Hz / 24 Vdc, 48 Vac 50/60Hz / 48 Vdc, 110-130 Vac 50/60Hz / 125 Vdc, 220-240 Vac 50Hz / 208-240 Vac 60Hz, 277 Vac 60Hz, 250 Vdc, 380-415 Vac 50Hz, 440-480 Vac 60Hz
Auxiliary circuits	:	OF/SD, OF, SD 1NO,1NC

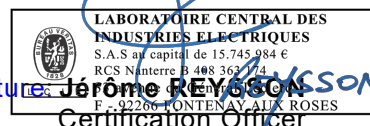
AC-15	Ue (V)	24	48	110/127	220/240	380/440	660/690
	Ie (A)	5	5	4	3	2.5	0.11

DC-13	Ue (V)	24	48	110	250		
	Ie (A)	2.5	1.2	0.35	0.05		



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