

IEC**IECEE**

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™

Ref. Certif. No.

FR_715544

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

CB TEST CERTIFICATE

Product

**Moulded-case circuit-breaker incorporating residual current protection (CBR)
Earth leakage circuit-breaker (ELCB)**

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 NSXm63 types E, B, F, N, H : 25, 50A
Equipped with MicroLogic 4.1 trip-unit,
ComPacT NSXm160 types E, B, F, N, H : 100, 160A
Equipped with MicroLogic 4.1 trip-unit

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

Supersedes CBTC FR_705859 dated 01/07/2019 and FR_705860 dated 01/07/2019 . Update further to the evolution of the standard(s), 1 certificat instead 2 (2 factories)

 Additional Information on page 2

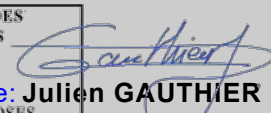
A sample of the product was tested and found to be in conformity with

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

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

1811990043 / 148535-703703 - 1811990044 / 148535-703746
169778-758198 rev01

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, FRANCEwww.lcie.frLABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSESSignature: 
Julien GAUTHIER
Certification Officer

Date: 26/09/2022

ADDITIONAL INFORMATION

Name and address of the factories:**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 Technological Development area
100176 BEIJING
CHINA



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Signature:  **Julien GAUTHIER**
Certification Officer

ANNEX

REFERENCES, PRINCIPAL CHARACTERISTICS

Structure of products' references

Structure of model references

ComPacT NSXm 160 H
 (a) (b) (c)

(a): Product range: ComPacT NSXm

(b): Constructive breaks:
 63: up to 50 A
 160: up to 160 A

(c): Breaking capacity: E,B,F,N,H

Structure of commercial references

I, II, III, IV, V, VI according to the following designation

| I | II | III | IV | V | VI |
|-----|----|-----|----|-----|----|
| C11 | H | 3 | 4V | 160 | L |

| Type | Breaking capacity at 415Vac | Number of pole | Overcurrent release type | Rated Current | Connectors |
|------------------|-----------------------------|----------------|--------------------------|---------------|--------------------|
| C11: 25,50,100 A | E: 16 kA | 3: 3P | 4V: Electronic | 025: 25 A | L: EverLink |
| C12: 160 A | B: 25 kA | 4: 4P | | 050: 50 A | B: Compression lug |
| | F: 36 kA | | | 100: 100 A | |
| | N: 50 kA | | | 160: 160 A | |
| | H: 70 kA | | | | |

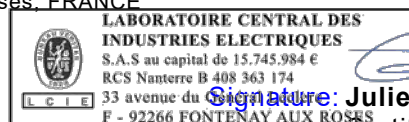
CHARACTERISTICS OF APPLIANCE

| | |
|---|---|
| Selectivity category (A or B) | 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 |
| Protection degree : | IP20 Power connection cover IP40 Front, side, back IP40 Long terminal shield |
| Type of release : | Electronic |
| Rated operational voltage U_e : (V) | 440V |
| Rated insulation voltage U_i : (V) | 500V |
| Rated impulse withstand voltage U_{imp} : (kV) | 8kV |
| Rated current I_n : (A) | 25A, 50A, 100A, 160A |
| Rated residual current: $I_{\Delta n}$ (mA) | 30mA, 100mA, 300mA ,500mA, 1A (type A) 30mA, 100mA, 300mA, 500mA, 1A, 3A ,5A (type AC) |
| Conventional free air thermal current I_{th} : (A) | 160 |
| Conventional enclosed thermal current I_{the} : (A) | N/A |
| Rated current for four pole circuit-breakers : (A) | 25A, 50A, 100A, 160A |



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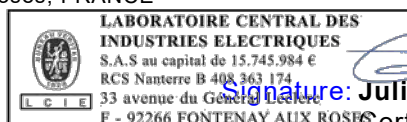
| | |
|--|---|
| Rated frequency : (Hz) | 50/60Hz |
| Nature of supply : | AC |
| Total number of poles : | 3P, 4P |
| Number of protected poles : | 3P, 4P |
| Rated duty | uninterrupted duty |
| Rated short-time making capacity I _{cm} : (A) | N/A |
| Rated ultimate short-circuit breaking capacity I _{cu} : (A) | E type: 25kA/AC220/240V, 16kA/AC380/415V, 10kA/AC440V B type: 50kA/AC220/240V, 25kA/AC380/415V, 20kA/AC440V F type: 85kA/AC220/240V, 36kA/AC380/415V, 35kA/AC440V N type: 90kA/AC220/240V, 50kA/AC380/415V, 50kA/AC440V H type: 100kA/AC220/240V, 70kA/AC380/415V, 65kA/AC440V |
| Rated service short-circuit breaking capacity I _{cs} : (A) | E type: 25kA/AC220/240V, 16kA/AC380/415V, 10kA/AC440V B type: 50kA/AC220/240V, 25kA/AC380/415V, 20kA/AC440V F type: 85kA/AC220/240V, 36kA/AC380/415V, 30kA/AC440V N type: 90kA/AC220/240V, 50kA/AC380/415V, 50kA/AC440V H type: 100kA/AC220/240V, 70kA/AC380/415V, 65kA/AC440V |



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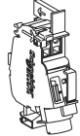
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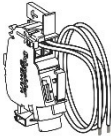
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ANNEX

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------|--------|------|---------|---------|---------|---------|---------|--------|---|---|---|---|-----|------|-------|--------|----|----|-----|-----|--|--|--------|-----|-----|------|------|--|--|
| Rated short-time withstand current I_{cw} : (A) | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electromagnetic compatibility | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Instantaneous tripping current : | 375A for $I_n=25A$ 750A for $I_n= 50A$ 1500A for $I_n=100A$ 2000A for $I_n=160A$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reference ambient calibration air temperature : ($^{\circ}C$) | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pollution degree | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material group : | IIIa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| safety distance (short-circuit tests) : | Up/down: 30/5mm Left/right: 0mm Front/back: 0mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auxiliary circuits : | OF/SD, OF, SD 1NO,1NC <table border="1" style="margin-left: 20px;"> <tr> <td rowspan="2">AC-15</td> <td>Ue (V)</td> <td>24</td> <td>48</td> <td>110/127</td> <td>220/240</td> <td>380/440</td> <td>660/690</td> </tr> <tr> <td>Ie (A)</td> <td>5</td> <td>5</td> <td>4</td> <td>3</td> <td>2.5</td> <td>0.11</td> </tr> <tr> <td rowspan="2">DC-13</td> <td>Ue (V)</td> <td>24</td> <td>48</td> <td>110</td> <td>250</td> <td></td> <td></td> </tr> <tr> <td>Ie (A)</td> <td>2.5</td> <td>1.2</td> <td>0.35</td> <td>0.05</td> <td></td> <td></td> </tr> </table> | 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 | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shunt release : | MX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Undervoltage release : | MN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

References of MN and MX releases

| Standard | Kind of voltage | Voltage | MX | MN |
|---|-----------------|----------------------|----------|----------|
|  | AC | 24 V 50/60 Hz | LV426841 | LV426801 |
| | | 48 V 50/60 Hz | LV426842 | LV426802 |
| | | 110...130 V 50/60 Hz | LV426843 | LV426803 |
| | | 220...240 V 50 Hz | LV426844 | LV426804 |
| | | 208...240 V 60 Hz | LV426844 | LV426804 |
| | | 277 V 60 Hz | LV426844 | LV426805 |
| | | 380...415 V 50 Hz | LV426846 | LV426806 |
| | | 440...480 V 60 Hz | LV426846 | LV426807 |
| | DC | 24 V DC | LV426841 | LV426801 |
| | | 48 V DC | LV426842 | LV426802 |
| | | 125 V DC | LV426843 | LV426803 |
| | | 250 V DC | LV426844 | LV426815 |

| Pre-wired | Kind of voltage | Voltage | MX | MN |
|---|-----------------|----------------------|----------|----------|
|  | AC | 24 V 50/60 Hz | LV426861 | LV426821 |
| | | 48 V 50/60 Hz | LV426862 | LV426822 |
| | | 110...130 V 50/60 Hz | LV426863 | LV426823 |
| | | 220...240 V 50 Hz | LV426864 | LV426824 |
| | | 208...240 V 60 Hz | LV426864 | LV426824 |
| | | 277 V 60 Hz | LV426864 | LV426825 |
| | | 380...415 V 50 Hz | LV426866 | LV426826 |
| | | 440...480 V 60 Hz | LV426866 | LV426827 |
| | DC | 24 V DC | LV426861 | LV426821 |
| | | 48 V DC | LV426862 | LV426822 |
| | | 125 V DC | LV426863 | LV426823 |
| | | 250 V DC | LV426864 | LV426835 |



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