



Ref. Certif. No.

FR\_717574

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\_715544 dated 26/09/2022 : -new assessment is performed due to product modification. -new rotary handle is used (Reference No. LV426930T and LV426931T). -After engineering review of the differences and similarities between originally tested rotary handle and new model, no test was considered necessary

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

TR n° 1811990043 / 148535-703703 TR n° 1811990044 / 148535-703746 TR n° 169778-758198 TR n° 19287294-790953

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: 29/08/2023



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 F - 92266 FONTENAY AUX ROSES

Signature: Julien GAUTHIER Certification Officer

IEC

TECEE

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### 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

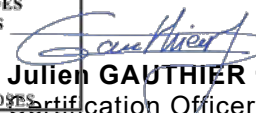


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Julien GAUTHIER  
Certification Officer

## 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				



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## ANNEX

## CHARACTERISTICS OF APPLIANCE

Selectivity category (A or B)	A
Interruption medium	Air
Design	Moulded case
Method of controlling the operating mechanism	Independent manual by toggle or by rotary handle
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
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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**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 : (°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"> <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																														

**Voltage releases**

	Standard	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							
		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	AC	Voltage	MX	MN				
						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			
						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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