



Ref. Certif. No.

FR_713511/M2

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

CB TEST CERTIFICATE

Product

Air 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.

MasterPacT MTZ1 Type H1, H2, H3 and L1
Circuit-breakers equipped with control units :
MicroLogic X : 2.0 X - 5.0 X - 6.0 X - 7.0 X
MicroLogic Xi : 2.0 Xi - 5.0 Xi - 6.0 Xi - 7.0 Xi
MicroLogic Active : 2.0 A - 5.0 A - 6.0 A - 2.0 E - 5.0 E - 6.0 E

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

Supersedes CBTC FR_713511/M1 dated 21/07/2023. Addition of product references

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

157394-733097-A, 172902-766281, 157394-733098-A,
172902-766288, 157394-733099-A, 172902-766299,
19535667-791882, 23119Y90013, 2011990018,
2011990020, 164183-744396-A, 164183-744398-A,
164183-744400-A

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: 28/03/2024



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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:
Certification Officer

ANNEX

Name and address of the factories:**SCHNEIDER ELECTRIC Alpes**

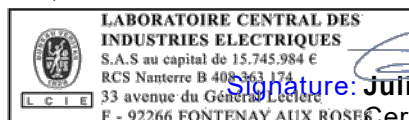
Voie Isaac Newton ZI Alpespace, 73800 Francin - FRANCE

Schneider Electric India Pvt LtdSURVEY NO 215, GAGILLAPUR VILLAGE, MEDAK ROAD, RANGAREDDY DISTRICT
HYDERABAD, 500 043 (A.P.) - INDIA**SCHNEIDER SHANGHAI POWER DISTRIBUTION ELEC. APP. Co. Ltd**

No.833 Kangqiao Road, Kangqiao Industrial Development Zone Pudong District, 201315 SHANGHAI - CHINA

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ANNEX
References, ratings and main characteristics:

Models				Rated current (In)
MTZ1-06 H1	MTZ1-06 H2	MTZ1-06 H3	MTZ1-06 L1	400 to 630A
MTZ1-08 H1	MTZ1-08 H2	MTZ1-08 H3	MTZ1-08 L1	400 to 800A
MTZ1-10 H1	MTZ1-10 H2	MTZ1-10 H3	MTZ1-10 L1	400 to 1000A
MTZ1-12 H1	MTZ1-12 H2	MTZ1-12 H3	-	630 (1) to 1250A
MTZ1-16 H1	MTZ1-16 H2	MTZ1-16 H3	-	800 (1) to 1600A

(1) 400A with MicroLogic Active control unit equipped on MasterPacT MTZ1 H1-H2

Selectivity category	B (type H1,H2,H3) A(type L1)
Interruption medium	Air
Design	Moulded case
Method of controlling the operating mechanism	Stored energy operation
Suitability for isolation	Suitable
Provision for maintenance	Maintainable
Method of installation	Fixed & withdrawable
Type of release :	Electronic MicroLogic X : 2.0 X – 5.0 X – 6.0 X – 7.0 X MicroLogic Xi : 2.0 Xi – 5.0 Xi – 6.0 Xi – 7.0 Xi MicroLogic Active : 2.0 A - 5.0 A - 6.0 A - 2.0 E - 5.0 E - 6.0 E (not applicable for type H3, L1)
Rated operational voltage U_e : (V)	H1, H2 : 220V, 415V, 440V, 525V, 690V H3 : 220V, 415V, 440V L1 : 220V, 415V, 440V, 525V
Rated insulation voltage U_i : (V)	1000V
Rated impulse withstand voltage U_{imp} : (kV)	12kV
Rated current I_n : (A)	See above table
Conventional free air thermal current I_{th} : (A)	Equal to I_n
Rated current for four pole circuit-breakers : (A)	Equal to I_n
Rated frequency : (Hz)	50/60Hz
Nature of supply :	AC
Total number of poles :	3P,4P
Rated duty	uninterrupted duty
Rated ultimate short-circuit breaking capacity I_{cu} : (kA)	H1 = 42kA - 220/415/440/525/690V H2 = 50kA - 220/415/440V ; 42kA - 525/690V H3 = 66kA - 220/415/440V L1 = 150kA - 220/415V ; 130kA - 440V ; 100kA - 525V
Rated service short-circuit breaking capacity I_{cs} : (A)	H1 = 42kA - 220/415/440/525/690V H2 = 50kA - 220/415/440V ; 42kA - 525/690V H3 = 50kA - 220/415/440V L1 = 150kA - 220/415V ; 130kA - 440V ; 100kA - 525V
Rated short-time withstand current I_{cw} : (A)	H1/H2: 42kA/1s, 24kA/3s H3: 50kA/1s, 30kA/3s L1: N/A
Electromagnetic compatibility	A
Circuit-breaker for use in IT systems	H1/ H2 : $I_{IT} = 19.2$ kA - 690 V H3 : $I_{IT} = 19.2$ kA - 440 V L1 : $I_{IT} = 12$ kA - 525 V
Special tests according Annex Q – IEC60947-1 : Tests for environmental categories	Category D (not applicable for circuit-breakers equipped with MicroLogic Active control unit)



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ANNEX
Undervoltage release (MN), shunt trip release (MX), closing release (XF)

References	Voltage - Type - Frequency	References	Voltage - Type - Frequency
MN		MN Diag.	
LV833668 LV833668SP	24-30V DC ; 24V AC 50/60 Hz	LV833668 LV833668SP	24-30V DC ; 24V AC 50/60 Hz
LV833669 LV833669SP	48-60V DC ; 48V AC 50/60 Hz	LV833669 LV833669SP	48-60V DC ; 48V AC 50/60 Hz
LV833670 LV833670SP	100-130V DC ; 100-130V AC 50/60 Hz	LV833670 LV833670SP	100-130V DC ; 100-130V AC 50/60 Hz
LV833671 LV833671SP	200-250V DC ; 200-250V AC 50/60 Hz	LV833671 LV833671SP	200-250V DC ; 200-250V AC 50/60 Hz
LV833673 LV833673SP	380-480V AC 50/60 Hz	LV833673 LV833673SP	380-480V AC 50/60 Hz
33668	24-30V DC ; 24V AC 50/60 Hz		
33669	48-60V DC ; 48V AC 50/60 Hz		
33670	100-130V DC ; 100-130V AC 50/60 Hz		
33671	200-250V DC ; 200-250V AC 50/60 Hz		
33673	380-480V AC 50/60 Hz		
MX/XF			
LV833659 LV833659SP	24-30V DC ; 24V AC 50/60 Hz	LV833033 LV833033SP	24-30V DC ; 24V AC 50/60 Hz
LV833660 LV833660SP	48-60V DC ; 48V AC 50/60 Hz	LV833034 LV833034SP	48-60V DC ; 48V AC 50/60 Hz
LV833661 LV833661SP	100-130V DC ; 100-130V AC 50/60 Hz	LV833035 LV833035SP	100-130V DC ; 100-130V AC 50/60 Hz
LV833662 LV833662SP	200-250V DC ; 200-250V AC 50/60 Hz	LV833036 LV833036SP	200-250V DC ; 200-250V AC 50/60 Hz
LV833663 LV833663SP	277V AC 50/60 Hz	LV833037 LV833037SP	277V AC 50/60 Hz
LV833664 LV833664SP	380-480V AC 50/60 Hz	LV833038 LV833038SP	380-480V AC 50/60 Hz
33659	24-30V DC ; 24V AC 50/60 Hz		
33660	48-60V DC ; 48V AC 50/60 Hz		
33661	100-130V DC ; 100-130V AC 50/60 Hz		
33662	200-250V DC ; 200-250V AC 50/60 Hz		
33663	277V AC 50/60 Hz		
33664	380-480V AC 50/60 Hz		



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ANNEX
Electric motor (MCH)

References	Voltage - Type - Frequency	
33186 LV833186SP	48 V	AC 50/60 Hz
33176 LV833176SP	100-130 V	
33177 LV833177SP	200-240 V	
33179 LV833179SP	277-415 V	
33179 LV833179SP	440-480 V	
33193 LV833193SP	+ resistor	
33185 LV833185SP	24-30 V	
33186 LV833186SP	48-60 V	
33187 LV833187SP	100-130 V	
33188 LV833188SP	200-250 V	

Embedded Ethernet InterFace (EIFE) : LV851001, LV851100SP, LV851001SP
 ULP interface module : LV836385, LV850063SP, LV836386, LV850064SP
 M2C - Programmable contacts : LV847086, LV847086SP
 ESM - ERMS Switch Module : LV836300, LV836300SP



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