



Ref. Certif. No.

FR_713512/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 MTZ2 Type N1, N2, H1, H1b, H2, H2V, H3, H10, L1
Circuit-breakers equipped with electronic control units :
MicroLogic 2.0 X – 5.0 X – 6.0 X – 7.0 X
MicroLogic 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_713512/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

19535667-791884
23119Y90014, 2011990020, 2011990018
2111990001, 172902-766337, 15721356-780716,
157394-733100-A, 164183-744410-A
172902-766306, 157394-733101-A, 164183-744402-A
172902-766312, 161635-737436-A, 165451-747202-A
172902-766321, 157394-733103-A, 164183-744404-A
172902-766324, 157394-733104-A, 164183-744408-A
172902-766330, 157394-733105-A, 164183-744406-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



LABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre 030836610
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Signature:
Julien GAUTHIER
Certification Officer

ANNEX

Name and address of the factories:

SCHNEIDER ELECTRIC Alpes

Voie Isaac Newton ZI Alpespace, 73800 Francin - FRANCE

Schneider Electric India Pvt Ltd

SURVEY 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

References, ratings and main characteristics:

Models	Rated current (In)	Models	Rated current (In)	Models	Rated current (In)
MTZ2-08 N1	400 to 800A	MTZ2-08 L1	400 to 800A	MTZ2-08 N2	400 to 800A
MTZ2-10 N1	400 to 1000A	MTZ2-10 L1	400 to 1000A	MTZ2-10 N2	400 to 1000A
MTZ2-12 N1	630 (1) to 1250A	MTZ2-12 L1	630 to 1250A	MTZ2-12 N2	630 (1) to 1250A
MTZ2-16 N1	800 (1) to 1600A	MTZ2-16 L1	800 to 1600A	MTZ2-16 N2	800 (1) to 1600A
MTZ2-20 N1	1000 (1) to 2000A	MTZ2-20 L1	1000 to 2000A	MTZ2-20 N2	1000 (1) to 2000A
				MTZ2-25 N2	1250 to 2500A
MTZ2-08 H1	400 to 800A	MTZ2-08 H1b	400 to 800A	MTZ2-08 H2	400 to 800A
MTZ2-10 H1	400 to 1000A	MTZ2-10 H1b	400 to 1000A	MTZ2-10 H2	400 to 1000A
MTZ2-12 H1	630 (1) to 1250A	MTZ2-12 H1b	630 (1) to 1250A	MTZ2-12 H2	630 (1) to 1250A
MTZ2-16 H1	800 (1) to 1600A	MTZ2-16 H1b	800 (1) to 1600A	MTZ2-16 H2	800 (1) to 1600A
MTZ2-20 H1	1000 (1) to 2000A	MTZ2-20 H1b	1000 (1) to 2000A	MTZ2-20 H2	1000 (1) to 2000A
MTZ2-25 H1	1250 to 2500A	MTZ2-25 H1b	1250 to 2500A	MTZ2-25 H2	1250 to 2500A
MTZ2-32 H1	1600 (2) to 3200A	MTZ2-32 H1b	1600 (2) to 3200A	MTZ2-32 H2	1600 (2) to 3200A
MTZ2-40 H1	2000 (2) to 4000A	MTZ2-40 H1b	2000 (2) to 4000A	MTZ2-40 H2	2000 (2) to 4000A
MTZ2-08 H2V	400 to 800A	MTZ2-08 H10	400 to 800A	MTZ2-20 H3	1000 to 2000A
MTZ2-10 H2V	400 to 1000A	MTZ2-10 H10	400 to 1000A	MTZ2-25 H3	1250 to 2500A
MTZ2-12 H2V	630 to 1250A	MTZ2-12 H10	630 to 1250A	MTZ2-32 H3	1600 to 3200A
MTZ2-16 H2V	800 to 1600A	MTZ2-16 H10	800 to 1600A	MTZ2-40 H3	2000 to 4000A
MTZ2-20 H2V	1000 to 2000A	MTZ2-20 H10	1000 to 2000A	-	-
MTZ2-25 H2V	1250 to 2500A	MTZ2-25 H10	1250 to 2500A	-	-
MTZ2-32 H2V	1600 to 3200A	MTZ2-32 H10	1600 to 3200A	-	-
MTZ2-40 H2V	2000 to 4000A	MTZ2-40 H10	2000 to 4000A	-	-

- (1) 400A with MicroLogic Active control unit
(2) 1250A with MicroLogic Active control unit



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S.A.S au capital de 15.745.984 €

RCS Nanterre B 408 363 174

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F - 92266 FONTENAY AUX ROSES

Signature: Julien GAUTHIER

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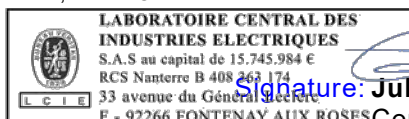
ANNEX

Selectivity category	B
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	N1, H1, N2, H1b, H2, H2V, H10 : Fixed or withdrawable H3, L1 : Withdrawable only
Type of release :	Electronic MicroLogic 2.0 X – 5.0 X – 6.0 X – 7.0 X MicroLogic 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, H2V, H10)
Rated operational voltage U_e : (V)	Type N1, H1, N2, H1b, H2, H3, L1 : 220V, 415V, 440V, 525V, 690V Type H2V : 220V, 415V, 440V Type H10 : 800V, 1150V
Rated insulation voltage U_i : (V)	Type N1, H1, N2, H1b, H2, H3, L1, H2V : 1000V Type H10 : 1250V
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)	N1 = 42 kA – 220/415/440/525/690V H1 = 66 kA – 220/415/440/525/690V N2 = 50 kA – 220/415/440/525/690V H2 = 100 kA – 220/415/440 V, 85 kA – 525/690 V H1b = 85 kA – 220/415/440/525/690V H2V = 100 kA – 220/415/440V H3, L1 = 150 kA – 220/415/440V 130 kA – 525V, 100 kA – 690V H10 = 50 kA – 800/1150V
Rated service short-circuit breaking capacity I_{cs} : (A)	N1 = 42 kA – 220/415/440/525/690V H1 = 66 kA – 220/415/440/525/690V N2 = 50 kA – 220/415/440/525/690V H2 = 100 kA – 220/415/440 V, 85 kA – 525/690 V H1b = 85 kA – 220/415/440/525/690V H2V = 100 kA – 220/415/440V H3, L1 = 150 kA – 220/415/440V 130 kA – 525V, 100 kA – 690V H10 = 50 kA – 800/1150V



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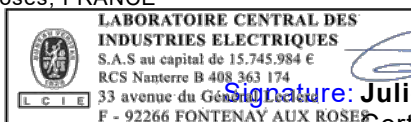
ANNEX

Rated short-time withstand current I_{cw} : (A)	N1 : 42 kA/1s ; 22 kA/3s H1 : ratings $\leq 2000A = 66$ kA/1s ; 36 kA/3s ratings $\geq 2500A = 66$ kA/3s N2 : 50 kA/1s H2 : ratings $\leq 1600A = 85$ kA/1s ; 50 kA/3s ratings $\geq 2000A = 85$ kA/1s ; 75 kA/3s H1b : 85 kA/1s H2V : 100 kA/1s ; 75 kA/3s H3 : 65 kA/3s L1 : 30 kA/3s H10 : 50 kA/3s
Electromagnetic compatibility	A
Circuit-breaker for use in IT systems	N1 : $I_{IT} = 24kA - 690V$ H1 : $I_{IT} = 24kA - 690V$ for ratings $\leq 2000A$ $I_{IT} = 50kA - 690V$ for ratings $\geq 2500A$ N2 : $I_{IT} = 24kA - 690V$ for ratings $\leq 2000A$ $I_{IT} = 50kA - 690V$ for ratings $\geq 2500A$ H1b, H2, H3 : $I_{IT} = 50kA - 690V$ H2V : $I_{IT} = 50kA - 440V$ L1 : $I_{IT} = 24kA - 690V$ H10 : $I_{IT} = 50kA - 800V$; not suitable at 1150V
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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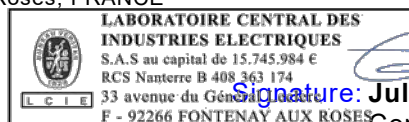
Undervoltage release (MN), shunt trip release (MX), closing release (XF)

References	Voltage - Type - Frequency	References	Voltage - Type - Frequency
MN		MN Diag.	
LV833668 LV833668SP	24-30V DC ; 24V AC 50/60 Hz	LV836668 LV836668SP	24-30V DC ; 24V AC 50/60 Hz
LV833669 LV833669SP	48-60V DC ; 48V AC 50/60 Hz	LV836669 LV836669SP	48-60V DC ; 48V AC 50/60 Hz
LV833670 LV833670SP	100-130V DC ; 100-130V AC 50/60 Hz	LV836670 LV836670SP	100-130V DC ; 100-130V AC 50/60 Hz
LV833671 LV833671SP	200-250V DC ; 200-250V AC 50/60 Hz	LV836671 LV836671SP	200-250V DC ; 200-250V AC 50/60 Hz
LV833673 LV833673SP	380-480V AC 50/60 Hz	LV836673 LV836673SP	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		MX/XF Diag. and COM	
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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Electric motor (MCH)

References	Voltage - Type - Frequency	
47889 LV847889SP	48 V	AC 50/60 Hz
47893 LV847893SP	100-130 V	
47894 LV847894SP	200-240 V	
47895 LV847895SP	250-277 V	
47896 LV847896SP	380-415 V	
47897 LV847897SP	440-480 V	
47888 LV847888SP	24-30 V	DC
47889 LV847889SP	48-60 V	
47890 LV847890SP	100-125 V	
47891 LV847891SP	200-250 V	

Embedded Ethernet InterFace (EIFE) : LV851001, LV851001SP, LV851200SP
 ULP interface module : LV836385, LV850061SP, LV836387, LV85006
 M2C - Programmable contacts : LV847086, LV847086SP
 ESM - ERMS Switch Module : LV836300, LV836300SP



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