

IEC**IECEE**

Ref. Certif. No.

FR_702016/M1

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

CB TEST CERTIFICATE

Product

Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's)

Name and address of the applicant

WENZHOU TONGOU ELECTRICAL CO.,LTD
Paidong Industrial Zone,Qiligang, Yueqing City,Zhejiang
CHINA

Name and address of the manufacturer

WENZHOU TONGOU ELECTRICAL CO.,LTD
Paidong Industrial Zone,Qiligang, Yueqing City,Zhejiang
CHINA

Name and address of the factory

WENZHOU TONGOU ELECTRICAL CO.,LTD
Paidong Industrial Zone,Qiligang, Yueqing City,Zhejiang
CHINA

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

/

Model / Type Ref.

TORD Series
See Annex

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

Supersedes CBTC FR_702016 dated 22/12/2017
Add products with rated voltage 110-240V Additional Information on page 2

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

IEC 61008-1:2010(ed.3) +A1:2012 +A2:2013
IEC 61008-2-1:1990(ed.1)

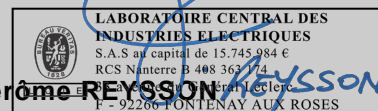
As shown in the Test Report Ref. No. which forms part of this Certificate

B220106

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: 02/11/2022

Signature: Jérôme REYSSON
Certification Officer

ANNEX

Product references list:

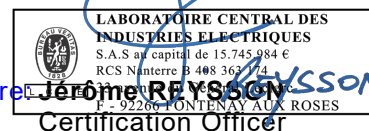
			1P+N	3P+N
			Inc=IΔc=3000A	Inc=IΔc=3000A
			Enclosure type TORD4	
16A	30mA	AC	TORD4-63/2/16/003	TORD4-63/4/16/003
20A	30mA	AC	TORD4-63/2/20/003	TORD4-63/4/20/003
25A	30mA	AC	TORD4-63/2/25/003	TORD4-63/4/25/003
32A	30mA	AC	TORD4-63/2/32/003	TORD4-63/4/32/003
40A	30mA	AC	TORD4-63/2/40/003	TORD4-63/4/40/003
50A	30mA	AC	TORD4-63/2/50/003	TORD4-63/4/50/003
63A	30mA	AC	TORD4-63/2/63/003	TORD4-63/4/63/003
16A	30mA	A	TORD4-63/2/16/003A	TORD4-63/4/16/003A
20A	30mA	A	TORD4-63/2/20/003A	TORD4-63/4/20/003A
25A	30mA	A	TORD4-63/2/25/003A	TORD4-63/4/25/003A
32A	30mA	A	TORD4-63/2/32/003A	TORD4-63/4/32/003A
40A	30mA	A	TORD4-63/2/40/003A	TORD4-63/4/40/003A
50A	30mA	A	TORD4-63/2/50/003A	TORD4-63/4/50/003A
63A	30mA	A	TORD4-63/2/63/003A	TORD4-63/4/63/003A



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20A	100mA	AC	TORD4-63/2/20/01	TORD4-63/4/20/01
25A	100mA	AC	TORD4-63/2/25/01	TORD4-63/4/25/01
32A	100mA	AC	TORD4-63/2/32/01	TORD4-63/4/32/01
40A	100mA	AC	TORD4-63/2/40/01	TORD4-63/4/40/01
50A	100mA	AC	TORD4-63/2/50/01	TORD4-63/4/50/01
63A	100mA	AC	TORD4-63/2/63/01	TORD4-63/4/63/01
16A	100mA	A	TORD4-63/2/16/01A	TORD4-63/4/16/01A
20A	100mA	A	TORD4-63/2/20/01A	TORD4-63/4/20/01A
25A	100mA	A	TORD4-63/2/25/01A	TORD4-63/4/25/01A
32A	100mA	A	TORD4-63/2/32/01A	TORD4-63/4/32/01A
40A	100mA	A	TORD4-63/2/40/01A	TORD4-63/4/40/01A
50A	100mA	A	TORD4-63/2/50/01A	TORD4-63/4/50/01A
63A	100mA	A	TORD4-63/2/63/01A	TORD4-63/4/63/01A



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20A	300mA	AC	TORD4-63/2/20/03	TORD4-63/4/20/03
25A	300mA	AC	TORD4-63/2/25/03	TORD4-63/4/25/03
32A	300mA	AC	TORD4-63/2/32/03	TORD4-63/4/32/03
40A	300mA	AC	TORD4-63/2/40/03	TORD4-63/4/40/03
50A	300mA	AC	TORD4-63/2/50/03	TORD4-63/4/50/03
63A	300mA	AC	TORD4-63/2/63/03	TORD4-63/4/63/03
16A	300mA	A	TORD4-63/2/16/03A	TORD4-63/4/16/03A
20A	300mA	A	TORD4-63/2/20/03A	TORD4-63/4/20/03A
25A	300mA	A	TORD4-63/2/25/03A	TORD4-63/4/25/03A
32A	300mA	A	TORD4-63/2/32/03A	TORD4-63/4/32/03A
40A	300mA	A	TORD4-63/2/40/03A	TORD4-63/4/40/03A
50A	300mA	A	TORD4-63/2/50/03A	TORD4-63/4/50/03A
63A	300mA	A	TORD4-63/2/63/03A	TORD4-63/4/63/03A



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			1P+N	3P+N
			Inc=IΔc=3000A	Inc=IΔc=3000A
Enclosure type TORD5				
16A	30mA	AC	TORD5-63/2/16/003	TORD5-63/4/16/003
20A	30mA	AC	TORD5-63/2/20/003	TORD5-63/4/20/003
25A	30mA	AC	TORD5-63/2/25/003	TORD5-63/4/25/003
32A	30mA	AC	TORD5-63/2/32/003	TORD5-63/4/32/003
40A	30mA	AC	TORD5-63/2/40/003	TORD5-63/4/40/003
50A	30mA	AC	TORD5-63/2/50/003	TORD5-63/4/50/003
63A	30mA	AC	TORD5-63/2/63/003	TORD5-63/4/63/003
16A	30mA	A	TORD5-63/2/16/003A	TORD5-63/4/16/003A
20A	30mA	A	TORD5-63/2/20/003A	TORD5-63/4/20/003A
25A	30mA	A	TORD5-63/2/25/003A	TORD5-63/4/25/003A
32A	30mA	A	TORD5-63/2/32/003A	TORD5-63/4/32/003A
40A	30mA	A	TORD5-63/2/40/003A	TORD5-63/4/40/003A
50A	30mA	A	TORD5-63/2/50/003A	TORD5-63/4/50/003A
63A	30mA	A	TORD5-63/2/63/003A	TORD5-63/4/63/003A



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			Enclosure type TORD5	
16A	100mA	AC	TORD5-63/2/16/01	TORD5-63/4/16/01
20A	100mA	AC	TORD5-63/2/20/01	TORD5-63/4/20/01
25A	100mA	AC	TORD5-63/2/25/01	TORD5-63/4/25/01
32A	100mA	AC	TORD5-63/2/32/01	TORD5-63/4/32/01
40A	100mA	AC	TORD5-63/2/40/01	TORD5-63/4/40/01
50A	100mA	AC	TORD5-63/2/50/01	TORD5-63/4/50/01
63A	100mA	AC	TORD5-63/2/63/01	TORD5-63/4/63/01
16A	100mA	A	TORD5-63/2/16/01A	TORD5-63/4/16/01A
20A	100mA	A	TORD5-63/2/20/01A	TORD5-63/4/20/01A
25A	100mA	A	TORD5-63/2/25/01A	TORD5-63/4/25/01A
32A	100mA	A	TORD5-63/2/32/01A	TORD5-63/4/32/01A
40A	100mA	A	TORD5-63/2/40/01A	TORD5-63/4/40/01A
50A	100mA	A	TORD5-63/2/50/01A	TORD5-63/4/50/01A
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63A	300mA	AC	TORD5-63/2/63/03	TORD5-63/4/63/03
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20A	300mA	A	TORD5-63/2/20/03A	TORD5-63/4/20/03A
25A	300mA	A	TORD5-63/2/25/03A	TORD5-63/4/25/03A
32A	300mA	A	TORD5-63/2/32/03A	TORD5-63/4/32/03A
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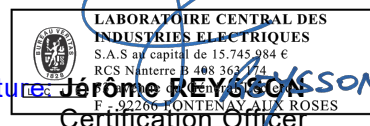
ANNEX

Technical Characteristics	
Independent of line voltage :	Yes
Dependent of line voltage :	No
Rated voltage U_e : (V)	110-240/220/230/240V~(1P+N); 380/400/415V~(3P+N)
Rated current I_n : (A)	16A;20A;25A;32A;40A;50A;63A
Rated frequency : (Hz)	50/60Hz
Rated residual operating current Δn : (A)	30mA,100mA, 300mA
Type :	A Type and AC type
Temporisation :	Without time-delay
Nature of supply :	~
Total number of poles :	1P+N and 3P+N(Neutral on the left)
Rated insulation voltage U_i : (V)	415V
Rated impulse withstand voltage U_{imp} : (V)	4000V
Utilisation range temperature : (°C)	-5°C to +40°C
Rated making and breaking capacity I_m : (A)	10 I_n for 63A 500A for 16A;20A;25A;32A;40A;50A
Rated residual making and breaking capacity Δm : (A)	10 I_n for 63A 500A for 16A;20A;25A;32A;40A;50A
Rated conditional short-circuit current I_{nc} : (A)	3000A
Rated conditional residual short-circuit current Δc : (A)	3000A
Short-circuit protection devices	SCPDs used : Silver wire
Grid distance (short-circuit tests) :	45mm
Protection against external influences :	Enclosed
Protection degree :	IP20
Material group:	IIIa
Method of mounting :	On rail
Method of electrical connection :	
not associated with the mechanical-mounting	Yes
associated with the mechanical-mounting	No
Type of terminals :	Pillar terminal
Nominal diameter of thread : (mm)	5,8mm
Operating means	Lever



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