



Ref. Certif. No.

FR_712801/M1

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

CB TEST CERTIFICATE

Product

Residual current operated circuit-breakers with integral overcurrent protection (RCBO'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.

TOBNS-40
See Annex

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

Supersedes CBTC FR_712801 dated 20/01/2022.
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 61009-1:2010(ed.3) +A1:2012 +A2:2013
IEC 61009-2-2:1991(ed.1)

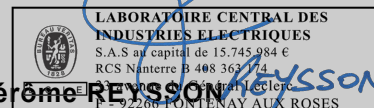
As shown in the Test Report Ref. No. which forms part of this Certificate

B220105

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



Signature: Jérôme REYSSON
Certification Officer

Date: 02/11/2022

ANNEX
Product References:

TOBNS-40 A Type		
1P+N B Type Icn=Ics=6000A		
	10mA	30mA
40A	TOBNS-40/1N/B40/001A	TOBNS-40/1N/B40/003A
32A	TOBNS-40/1N/B32/001A	TOBNS-40/1N/B32/003A
25A	TOBNS-40/1N/B25/001A	TOBNS-40/1N/B25/003A
20A	TOBNS-40/1N/B20/001A	TOBNS-40/1N/B20/003A
16A	TOBNS-40/1N/B16/001A	TOBNS-40/1N/B16/003A
10A	TOBNS-40/1N/B10/001A	TOBNS-40/1N/B10/003A
6A	TOBNS-40/1N/B6/001A	TOBNS-40/1N/B6/003A

TOBNS-40 A Type		
1P+N C Type Icn=Ics=6000A		
	10mA	30mA
40A	TOBNS-40/1N/C40/001A	TOBNS-40/1N/C40/003A
32A	TOBNS-40/1N/C32/001A	TOBNS-40/1N/C32/003A
25A	TOBNS-40/1N/C25/001A	TOBNS-40/1N/C25/003A
20A	TOBNS-40/1N/C20/001A	TOBNS-40/1N/C20/003A
16A	TOBNS-40/1N/C16/001A	TOBNS-40/1N/C16/003A
10A	TOBNS-40/1N/C10/001A	TOBNS-40/1N/C10/003A
6A	TOBNS-40/1N/C6/001A	TOBNS-40/1N/C6/003A



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ANNEX
Product References:

TOBNS-40 AC Type		
1P+N B Type Icn=Ics=6000A		
	10mA	30mA
40A	TOBNS-40/1N/B40/001	TOBNS-40/1N/B40/003
32A	TOBNS-40/1N/B32/001	TOBNS-40/1N/B32/003
25A	TOBNS-40/1N/B25/001	TOBNS-40/1N/B25/003
20A	TOBNS-40/1N/B20/001	TOBNS-40/1N/B20/003
16A	TOBNS-40/1N/B16/001	TOBNS-40/1N/B16/003
10A	TOBNS-40/1N/B10/001	TOBNS-40/1N/B10/003
6A	TOBNS-40/1N/B6/001	TOBNS-40/1N/B6/003

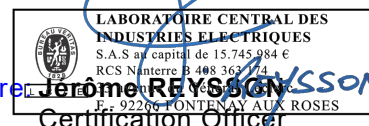
TOBNS-40 AC Type		
1P+N C Type Icn=Ics=6000A		
	10mA	30mA
40A	TOBNS-40/1N/C40/001	TOBNS-40/1N/C40/003
32A	TOBNS-40/1N/C32/001	TOBNS-40/1N/C32/003
25A	TOBNS-40/1N/C25/001	TOBNS-40/1N/C25/003
20A	TOBNS-40/1N/C20/001	TOBNS-40/1N/C20/003
16A	TOBNS-40/1N/C16/001	TOBNS-40/1N/C16/003
10A	TOBNS-40/1N/C10/001	TOBNS-40/1N/C10/003
6A	TOBNS-40/1N/C6/001	TOBNS-40/1N/C6/003



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ANNEX

CARACTÉRISTIQUES DE L'APPAREIL / CHARACTERISTICS OF APPLIANCE

Independent of line voltage :	No
Rated voltage U_e : (V~)	110-240/230/240V~(1P+N)
Rated current I_n : (A)	40A;32A;25A;20A;16A;10A;6A
Rated frequency : (Hz)	50/60Hz
Rated residual operating current Δn : (A)	10mA;30mA
Type :	A and AC
Temporisation :	without time-delay
Nature of supply :	AC
Total number of poles :	1P+N
Number of protected poles :	1P
Rated insulation voltage U_i : (V)	415V
Rated impulse withstand voltage U_{imp} : (V)	4kV
Instantaneous tripping current :	B/C
Reference ambient calibration air temperature : (°C)	+30°C
Utilisation range temperature : (°C)	-25°C à +40°C
Rated short-circuit capacity I_{cn} : (A)	6000A
Rated residual making and breaking capacity I_{Dm} : (A)	3000A
Energy limiting class (I^2t) :	3(According to EN 61009-1)
Grid distance (short-circuit tests) :	50 mm
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	N/A
Type of terminals :	Pillar terminal
Nominal diameter of thread : (mm)	4,0mm
Operating means :	Lever



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