



Ref. Certif. No.

FR\_721005

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

CB TEST CERTIFICATE

Product

Circuit-breaker  
ACB

Name and address of the applicant

**Wenzhou Tosun Electric Co., Ltd.**  
Room No.1001, Fortune Center, Station Road  
Wenzhou, Zhejiang - CHINA

Name and address of the manufacturer

**Wenzhou Tosun Electric Co., Ltd.**  
No.1 Huashan Road, Wenzhou Bridge Industrial Zone Baixiang  
Yueqing, Zhejiang - CHINA

Name and address of the factory

**Wenzhou Tosun Electric Co., Ltd.**  
No.1 Huashan Road, Wenzhou Bridge Industrial Zone Baixiang  
Yueqing, 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.

TSW8-2000F/3, TSW8-2000F/4,  
TSW8-2000D/3, TSW8-2000D/4

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

☐ Additional Information on page 2

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

IEC 60947-1:2020  
IEC 60947-2:2024

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

24119Y90046

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](http://www.lcie.fr)

Date: 27/02/2025

Signature:

LABORATOIRE CENTRAL DES  
INDUSTRIES ELECTRIQUES  
S.A.S au capital de 15.745.984 €  
RCS Nanterre B 408 563 170  
33 avenue du Général Leclerc  
92260 FONTENAY-AUX-ROSES  
E - 92266 FONTENAY-AUX-ROSES  
Certification Officer

## ANNEX

### References, ratings and main characteristics:

|                                                               |                                                                |
|---------------------------------------------------------------|----------------------------------------------------------------|
| Selectivity category                                          | B                                                              |
| Interruption medium                                           | Air                                                            |
| 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                                                     |
| Protection degree :                                           | N/A                                                            |
| Rated operational voltage $U_e$ : (V)                         | AC400/690V                                                     |
| Rated insulation voltage $U_i$ : (V)                          | 1000V                                                          |
| Rated impulse withstand voltage $U_{imp}$ : (kV)              | 12kV                                                           |
| Rated current $I_n$ : (A)                                     | 400A, 500A, 630A, 700A, 800A, 900A, 1000A, 1250A, 1600A, 2000A |
| Conventional free air thermal current $I_{th}$ : (A)          | Equal to $I_n$                                                 |
| Conventional enclosed thermal current $I_{the}$ : (A)         | N/A                                                            |
| 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                                                         |
| Number of protected poles :                                   | 3P, 4P                                                         |
| Rated duty                                                    | uninterrupted duty                                             |
| Rated short-time making capacity $I_{cm}$ : (A)               | 143kA/400V, 105kA/690V                                         |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ : (A) | 65kA/400V, 50kA/690V                                           |
| Rated service short-circuit breaking capacity $I_{cs}$ : (A)  | 50kA/400V, 40kA/690V                                           |
| Rated short-time withstand current $I_{cw}$ : (A)             | 50kA, 1s/400V<br>40kA, 1s/690V                                 |
| Electromagnetic compatibility (EMC)                           | Environment A                                                  |
| Reference ambient calibration air temperature : (°C)          | N/A                                                            |
| Pollution degree                                              | 3                                                              |
| Material group :                                              | IIIa                                                           |
| Safety distance (short-circuit tests) :                       | Up/down: 0mm<br>Left/right: 50/50mm<br>Front/back: 5/5mm       |



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Julien GAUTHIER  
Certification Officer

