



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 60947-4-1**  
**Low voltage switchgear and controlgear**  
**Part 4: Contactors and motor-starters**  
**Section 1 - Electromechanical contactors and motor-starters**

Report Number .....: (2025)MJDQ-CB1467

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Name of Testing Laboratory  
preparing the Report.....: Fujian Inspection and Research Institute for Product  
Quality(FQII)

Applicant's name.....: Zhejiang Tengen Electric Co.,Ltd.

Address .....: Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang  
Province, P.R.China

**Test specification:**

Standard .....: IEC 60947-4-1:2023 to be used in conjunction with IEC 60947-  
1:2020.

Test procedure .....: CB Scheme

Non-standard test method .....: N/A

TRF template used .....: IECEE OD-2020-F1:2023, Ed.1.6

Test Report Form No.....: IEC60947\_4\_1E

Test Report Form(s) Originator ....: DEKRA Certification B.V.

Master TRF.....: Dated 2024-03-15

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test item description .....</b> | AC Contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Trade Mark .....</b>            | TENGEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Manufacturer .....</b>          | Zhejiang Tengen Electric Co.,Ltd./ Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Model/Type reference .....</b>  | TGCA-40004,TGCA-50004,TGCA-65004,TGCA-80004,TGCA-95004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Ratings .....</b>               | <p>Ui: 1000V; Uimp: 8kV;<br/>           Ue: AC220V/240V, AC380V/440V, AC500V/550V, AC660V/690V;<br/>           Ith=60A (TGCA-40004), 80A (TGCA-50004), 100A (TGCA-65004), 110A (TGCA-80004), 135A (TGCA-95004);</p> <p>TGCA-40004:<br/>           AC-1: Ue/Ie: AC220V/240V/60A, AC380V/440V/60A, AC500V/550V/60A, AC660V/690V/60A;<br/>           AC-3: Ue/Ie: AC220V/240V/40A, AC380V/440V/40A, AC500V/550V/34A, AC660V/690V/34A;<br/>           AC-3e: Ue/Ie: AC220V/240V/40A, AC380V/440V/40A, AC500V/550V/34A, AC660V/690V/34A;<br/>           AC-4: Ue/Ie: AC220V/240V/18.5A, AC380V/440V/18.5A, AC500V/550V/9A, AC660V/690V/9A;</p> <p>TGCA-50004:<br/>           AC-1: Ue/Ie: AC220V/240V/80A, AC380V/440V/80A, AC500V/550V/80A, AC660V/690V/80A;<br/>           AC-3: Ue/Ie: AC220V/240V/50A, AC380V/440V/50A, AC500V/550V/39A, AC660V/690V/39A;<br/>           AC-3e: Ue/Ie: AC220V/240V/50A, AC380V/440V/50A, AC500V/550V/39A, AC660V/690V/39A;<br/>           AC-4: Ue/Ie: AC220V/240V/24A, AC380V/440V/24A, AC500V/550V/12A, AC660V/690V/12A;</p> <p>TGCA-65004:<br/>           AC-1: Ue/Ie: AC220V/240V/100A, AC380V/440V/100A, AC500V/550V/100A, AC660V/690V/100A;<br/>           AC-3: Ue/Ie: AC220V/240V/65A, AC380V/440V/65A, AC500V/550V/42A, AC660V/690V/42A;<br/>           AC-3e: Ue/Ie: AC220V/240V/65A, AC380V/440V/65A, AC500V/550V/42A, AC660V/690V/42A;<br/>           AC-4: Ue/Ie: AC220V/240V/28A, AC380V/440V/28A, AC500V/550V/14A, AC660V/690V/14A;</p> <p>TGCA-80004:<br/>           AC-1: Ue/Ie: AC220V/240V/110A, AC380V/440V/110A, AC500V/550V/110A, AC660V/690V/110A;<br/>           AC-3: Ue/Ie: AC220V/240V/80A, AC380V/440V/80A, AC500V/550V/49A, AC660V/690V/49A;<br/>           AC-3e: Ue/Ie: AC220V/240V/80A, AC380V/440V/80A, AC500V/550V/49A, AC660V/690V/49A;<br/>           AC-4: Ue/Ie: AC220V/240V/37A, AC380V/440V/37A, AC500V/550V/17.3A, AC660V/690V/17.3A;</p> <p>TGCA-95004:<br/>           AC-1: Ue/Ie: AC220V/240V/135A, AC380V/440V/135A, AC500V/550V/135A, AC660V/690V/135A;<br/>           AC-3: Ue/Ie: AC220V/240V/95A, AC380V/440V/95A, AC500V/550V/49A, AC660V/690V/49A;<br/>           AC-3e: Ue/Ie: AC220V/240V/95A, AC380V/440V/95A, AC500V/550V/49A, AC660V/690V/49A;<br/>           AC-4: Ue/Ie: AC220V/240V/44A, AC380V/440V/44A, AC500V/550V/21.3A, AC660V/690V/21.3A;</p> |