



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

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Name of Testing Laboratory preparing the Report : Suzhou Electrical Apparatus Science Research Institute Stock Co., Ltd.(EETI)

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 60947-4-1:2009 , AMD1:2012
 Test procedure..... : CB Scheme
 Non-standard test method..... : N/A

Test Report Form No..... : IEC60947_4_1C
 Test Report Form(s) Originator.... : DEKRA Certification B.V.
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Test item description AC Contactor
Trade Mark TENGEN
Manufacturer Zhejiang Tengen Electric Co., Ltd.
 Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
Model/Type reference TGC1-0911, TGC1-0911N, TGC1-1211, TGC1-1211N,
 TGC1-1811, TGC1-1811N, TGCG-0911, TGCG-0911N,
 TGCG-1211, TGCG-1211N, TGCG-1811, TGCG-1811N,
 TGCJH-0911, TGCJH-0911N, TGCJH -1211,
 TGCJH-1211N, TGCJH -1811, TGCJH-1811N
Ratings Ui:690V;Uimp:6kV;
 Ith:20A(TGC1-0911, TGC1-0911N, TGCG-0911, TGCG-0911N, TGCJH-0911,
 TGCJH-0911N),
 20A(TGC1-1211, TGC1-1211N, TGCG-1211, TGCG-1211N, TGCJH -1211,
 TGCJH-1211N),
 25A(TGC1-1811, TGC1-1811N, TGCG-1811, TGCG-1811N, TGCJH -1811,
 TGCJH-1811N);
 TGC1-0911, TGCG-0911, TGCJH-0911:
 AC-1:Ue:AC220V/230V;380V/400V Ie:20A
 AC-3:Ue:AC220V/230V;380V/400V Ie:9A
 Ue:AC660V/690V Ie:6.6A
 AC-4:Ue:AC220V/230V;380V/400V Ie:3.5A
 Ue:AC660V/690V Ie:1.5A
 TGC1-0911N, TGCG-0911N, TGCJH-0911N:
 AC-1:Ue:AC220V/230V;380V/400V Ie:20A
 AC-4:Ue:AC220V/230V;380V/400V Ie:3.5A
 Ue:AC660V/690V Ie:1.5A
 TGC1-1211, TGCG-1211, TGCJH-1211:
 AC-1:Ue:AC220V/230V;380V/400V Ie:20A
 AC-3:Ue:AC220V/230V;380V/400V Ie:12A
 Ue:AC660V/690V Ie:8.9A
 AC-4:Ue:AC220V/230V;380V/400V Ie:5A
 Ue:AC660V/690V Ie:2A
 TGC1-1211N, TGCG-1211N, TGCJH-1211N:
 AC-1:Ue:AC220V/230V;380V/400V Ie:20A
 AC-4:Ue:AC220V/230V;380V/400V Ie:5A
 Ue:AC660V/690V Ie:2A
 TGC1-1811, TGCG-1811, TGCJH-1811:
 AC-1:Ue:AC220V/230V;380V/400V Ie:25A
 AC-3:Ue:AC220V/230V;380V/400V Ie:18A
 Ue:AC660V/690V Ie:12A
 AC-4:Ue:AC220V/230V;380V/400V Ie:7.7A
 Ue:AC660V/690V Ie:3.8A
 TGC1-1811N, TGCG-1811N, TGCJH-1811N:
 AC-1:Ue:AC220V/230V;380V/400V Ie:25A
 AC-4:Ue:AC220V/230V;380V/400V Ie:7.7A
 Ue:AC660V/690V Ie:3.8A
 Us: AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50Hz;
 AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50/60Hz;
 3P;IP20;
 Attached auxiliary contacts: (1NO1NC, 2 pairs):
 Ith:10A;Ui:690V;Uimp:6kV;
 AC-15:Ue/Ie:AC380V/0.95A, AC220V/1.6A
 DC-13:Ue/Ie:DC220V/0.15A.