

Low Voltage Test Laboratory

fact sheet

In Saint Quentin, France GE is running since many years a low voltage test laboratory. Besides being the main testing facility for GE's low voltage products in Europe the test centre also offers its services to GE's customers, business partners and other parties.

The laboratory facilitates electrical tests including short-circuit tests up to 100kA, temperature rise tests at rated current and insulation tests. Take advantage of the experienced staff and environment to have your products and devices tested!

Testing at your Service

Your success in the market

Proof that your product

- Works properly under all operational conditions
- Is tested according customers specification

Run your test in our well equipped test lab and get the results documented in a proper way.

Accreditation

- COFRAC accredited according to ISO/IEC 17025 Accreditation convention n° 1-0035 (COFRAC: Comite Français d'Accréditations)
- Accredited scope:
 - IEC 60269-1/2, IEC 60439-1/2
 - IEC 60947-1/2/3/4/..., IEC 1641
 - HN & NF and similar standards



Testing Services

- Short-circuit breaking capacity tests
- Short-time current & peak-current withstand test
- Making & breaking capacity tests
- Temperature rise tests at rated current
- Dielectric tests, impulse voltage tests
- Endurance and selectivity tests
- Onsite services, expert advice, witnessing of tests



Temperature rise test

Test methods and selected parameters

- Short-circuit breaking capacity tests :
AC : from 20V up to 1100V, and up to 100kA, DC : up to 3.600V, and up to 80kA
- Short-time current & peak-current withstand test :
1sec ≤ 100kA (Peak ≤ 240kA); 3sec ≤ 50kA

AC 3phase

for AC single phase use factor 0.8

| | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Test voltage | 240V | 325V | 440V | 485V | 525V | 635V | 726V | 1100V |
| Cos φ | ≤ 70kA | ≤ 75kA | ≤ 70kA | ≤ 75kA | ≤ 75kA | ≤ 75kA | ≤ 35kA | ≤ 45kA |
| Icc Max/Cos φ=0,1 | 95kA | 130kA | 84kA | 100kA | 115kA | 100kA | 41kA | - |

DC

| | | |
|-----------------|------------------|------------------|
| ≤ 80kA U ≤ 900V | ≤ 40kA U ≤ 1500V | ≤ 10kA U ≤ 3600V |
|-----------------|------------------|------------------|

- Making & breaking capacity tests
AC : Max 4.000A – max 726V
- Temperature rise tests at rated current
AC : 1 & 3 phase up to 10.000A, DC : up to 6.000
- Dielectric tests at 50Hz, up to 5kV
- Impulse tests: Surge voltage 1.2/50µs up to 35kV



100MVA Generator

Contact

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