



LOVAG

TEST INSTRUCTION IEC 62019 and EN62019 Edition 1.1

CONDITIONS FOR TESTING CIRCUIT-BREAKERS
AND SIMILAR EQUIPMENTS FOR HOUSEHOLD USE

AUXILIARY CONTACT UNITS

This test instruction is based on the following standards:

Standard IEC 62019 (1999) + amendment 1 (2002)
 EN 62019 (1999) + amendment 1 (2003)

It complies with this standard in all respects, and provides additional information ensuring suitable degree of repeatability of the tests between the different test stations.

Valid from: 2007/03/20.

Dr. Saverio Manganaro

Chairman of LOVAG Technical Committee

Edition : 1.1

2007-03-27

Author: ACAE

PREAMBLE

For convenience in the use of this test instruction, the paragraphs are numbered according to the clauses in the referred standard (IEC and/or EN as indicated).

Tests must be carried out according to the standard; the test instruction only adds a few specific details.

9.2 Verification of compliance with constructional requirements

Refer to standard

9.3 Performance

Refer to standard

9.3.3 Temperature rise

Refer to standard

Refer to Test instruction IEC898-1

Refer to Test instruction IEC1008-1

Refer to Test instruction IEC1009-1

9.3.4 Dielectric properties

Refer to standard

Refer to Test instruction IEC898-1

Refer to Test instruction IEC1008-1

Refer to Test instruction IEC1009-1

9.3.5 Verification of the correct operation of the main switching device

Refer to standard

Refer to Test instruction IEC898-1

Refer to Test instruction IEC1008-1

Refer to Test instruction IEC1009-1

9.3.6 Making and breaking capacities

Refer to standard

9.3.6.3 Making and breaking capacities of the auxiliary contact unit under normal conditions

Refer to standard

The On time shall be specified in the Test report

9.3.6.4 Making and breaking capacities of the auxiliary contact unit under abnormal conditions

Refer to standard

The On time shall be specified in the Test report

If the values of Tab.5 of the standard cannot be reached by the main switching device, the test may be split into a make test and a separate break test. For both tests, the time of current flow shall correspond to the specific on time.

9.3.7 Test at conditional short-circuit test

Refer to standard

9.3.7.3 Test procedure

The synchronization with respect to the voltage wave is not indicated in the standard.

If the manufacturer wishes to carry out the test with the maximum value of the I^2t , an appropriate detailed test program shall be established in agreement with the manufacturer.

If not otherwise specified the make switch is synchronized at 0°.

The synchronization tolerance shall be $\pm 5^\circ$

The synchronization point shall be stated in the test report.