Dimensions in millimetres



Key

- 1 Frame
- 2 Sample
- 3 Mounting support

Figure 15 – Mechanical impact test apparatus (9.13.2.1)

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IEC 057/10

Key

1 Polyamide

2, 3, 4, 5 Steel Fe 360







Key

1 Sheet of plywood

2 Pivot



Dimensions in millimetres



IEC 059/10

Key

- 1 Interchangeable steel plate with a thickness of 1 mm
- 2 Aluminium plates with a thickness of 8 mm
- 3 Mounting plate
- 4 Rail for RCBO designed to be mounted on a rail
- 5 Cut-out for the RCBO in the steel plate
- a The distance between the edges of the cut-out and the faces of the RCBO shall be between 1 mm and 2 mm
- *b* The height of the aluminium plates shall be such that the steel plate rests on the supports of the RCBO or, if the RCBO has no such supports, the distance from live parts, which are to be protected by an additional cover plate, to the underside of the steel, is 8 mm.

Figure 18 – Example of mounting an unenclosed RCBO for mechanical impact test (9.13.2.1)

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Dimensions in millimetres



Key

- 1 Interchangeable steel plate with a thickness of 1,5 mm
- 2 Aluminium plates with a thickness of 8 mm
- 3 Mounting plate
- 4 Cut-out for the RCBO in the steel plate

NOTE In particular cases the dimensions may be increased.

Figure 19 – Example of mounting of panel mounting type RCBO for the mechanical impact test (9.13.2.1)

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Key

1 Rail

2 Cord





Key

1 Sample

2 Spherical

Figure 21 – Ball-pressure test apparatus (9.14.2)

Figure 22 – Void



- 4 First cycle
- 5 Time required to reach 95 %-100 % relative humidity (not exceeding 1 h)
- 6 Time

Key 1 F

2 3

- 7 Start of the first cycle
- 8 Time required for test specimen toreach temperature stability

Figure 23 – Stabilizing period for reliability test (9.22.1.3)





IEC 066/10

Key

- 1 Relative humidity (%)
- 2 Ambient temperature (°C)
- 3 End of the temperature rise
- 4 Start of the temperature fall
- 5 Time
- 6 Upper temperature +57 °C
- 7 Lower temperature +53 °C

Figure 24 – Reliability test cycle (9.22.1.3)

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IEC 067/10

Key

- D RCBO under test
- 1 Supply at 1,1 U_n
- 2 Current supply







Figure 26 – Damped oscillator current wave, 0,5 μ s/100 kHz

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Key

- 1 Ring wave generator 0,5 µs/100 kHz
- 2 Trigger
- 3 Filter
- 4 Supply
- 1) If the RCBO has an earthing terminal, it shall be connected to the neutral terminal, if any, and if so marked on the RCBO or, that failing, to any phase terminal.

Figure 27 – Test circuit for the ring wave test at RCBOs





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