

CONTENTS

FOREWORD

1 Scope

2 Normative references

3 Definitions

4 General requirements

5 General notes on tests

6 Ratings

7 Classification

8 Marking

9 Dimensions

10 Protection against electric shock

11 Provision for earthing

12 Construction

13 Resistance to ageing, protection against ingress of solid objects and against harmful ingress of water

14 Insulation resistance and electric strength

15 Mechanical strength

16 Resistance to heat

17 Creepage distances, clearances and distances through sealing compound

18 Resistance of insulating material to abnormal heat and fire

19 Resistance to tracking

20 Resistance to corrosion

21 Electromagnetic compatibility (EMC)

Annex A (informative) Examples of enclosures and parts thereof

Bibliography

Figure 1 – Examples of membranes and grommets

Figure 2 – Earthing strap (see 11.2)

Figure 3 – Test strap (see 11.2)

Figure 4 – Volume measurement (see ~~12.12.5~~ 12.15)

Figure 5 – Test wall ~~in accordance~~ (see 13.3.2)

Figure 6 – Reference surfaces for boxes and enclosures

Figure 7 – Mounting block for flush-type ~~equipment boxes and enclosures~~ in order to apply blows on the rear surface (see 15.3)

Figure 8 – Apparatus for impact test at low temperature (see 15.1)

Figure 9 – ~~Application points for blows for part A (see 15.3)~~ Height of fall for blows for part A (see 15.3)

Figure 10 – Sequence of blows for parts A, B, C, D, E, F and G (see 15.3)

Figure 11 – Apparatus for testing the cable anchorage (see 12.6)

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Figure 12 – Arrangement for test on covers or cover-plates (see 12.1.2.2)	
Figure 13 – Gauge (thickness about 2 mm) for the verification of the outline of lids, covers or cover-plates (see 12.1.2.3).....	
Figure 14 – Examples of application of the gauge of Figure 13 on covers fixed without screws on a mounting surface or supporting surface (see 12.1.2.3)	
Figure 15 – Examples of application of the gauge of Figure 13 (see 12.1.2.3)	
Figure 16 – Gauge for verification of grooves, holes and reverse tapers (see 12.1.2.4)	
Figure 17 – Sketch showing the direction of application of the gauge of Figure 16 (see 12.1.2.4)	
Figure 18 – Verification of fixing means for boxes and enclosures classified according to 7.7.1 (see 12.11)	
Figure 19 – Test according to to 12.14.3 12.12.3	
Figure 20 – Rigid crossbar (see 16.3)	
Figure 21 – Diagrammatic representation of the glow-wire test (see Clause 18)	
<u>Figure 22 – Example of mounting block for boxes to be embedded in masonry (flush type and semi-flush type) according to 12.10.....</u>	
<u>Figure 23 – Example of the fixing of the auxiliary device mounted on a specimen according to 12.10.....</u>	
<u>Figure 24 – Example of test apparatus for the test according to 12.10.....</u>	
<u>Figure 25 – Example of the protected volume (see 13.3.4)</u>	
<u>Figure 26 – Demonstration of the non-penetration of the internal volume.....</u>	
Figure A.1 – Examples of enclosures and parts of thereof	
Table 1 – Classification of boxes and enclosures.....	
Table 2 – Forces to be applied to covers, cover-plates or actuating members whose fixing is not dependent on screws.....	
Table 3 – Forces and torques to be applied to cable anchorages.....	
Table 4 – Tightening torques for the verification of the mechanical strength of screws.	
Table 5 – Torque test values for cable glands.....	
Table 6 – Test voltage for electric strength test	
Table 7 – Determination of parts A, B, C, D E, F and G	
Table 8 – Height of fall for impact test	

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**BOXES AND ENCLOSURES FOR ELECTRICAL ACCESSORIES
FOR HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS**

Part 1: General requirements

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The technical content is therefore identical to the base edition and its amendment 1. A vertical line in the margin shows where the base publication has been modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through.

International Standard IEC 60670-1 has been prepared by subcommittee 23B: Plugs outlets and switches, of IEC technical committee 23: Electrical accessories.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this publication, the following print types are used:

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- *test specifications: in italic type*
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BOXES AND ENCLOSURES FOR ELECTRICAL ACCESSORIES FOR HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS

Part 1: General requirements

1 Scope

This part of IEC 60670 applies to boxes, enclosures and parts of enclosures (hereafter “boxes” and “enclosures”) for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended for household or similar fixed electrical installations either indoors or outdoors.

NOTE Requirements for particular types of boxes and enclosures are given in the relevant parts 2 of IEC 60670.

Boxes and enclosures complying with this standard are suitable for use at ambient temperature not normally exceeding 25 °C but occasionally reaching 35 °C.

This International Standard is intended to apply to boxes and enclosures for electrical accessories within the scope of IEC technical committee 23.

NOTE This standard may also be used as a reference document for other IEC technical committee subcommittees.

A box or an enclosure which is an integral part of an electrical accessory and provides protection for that accessory against external influences (for example mechanical damage, ingress of solid objects or water, etc.) is covered by the relevant standard for that accessory.

This standard does not apply to

- ceiling roses;
- luminaire supporting couplers;
- boxes, enclosures and parts of enclosures specifically designed to be used for trunking and ducting systems complying with IEC 61084 and which are not intended to be installed outside of these systems.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-75:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer test*

IEC 60112:1979, *Method for determining the comparative and the proof-tracking in solid insulating materials under moist conditions*

IEC 60423:1993, *Conduits for electrical purposes – Outside diameters of conduits and threads for conduits and fittings*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 60695-2-11:2000, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test method for end-products*

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