

# FINAL VERSION

## VERSION FINALE

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**Miscellaneous lampholders –  
Part 1: General requirements and tests**

**Douilles diverses pour lampes –  
Partie 1: Exigences générales et essais**

## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references .....	5
3 Terms and definitions .....	6
4 General requirement.....	10
5 General conditions for tests .....	10
6 Classification.....	11
7 Marking .....	12
8 Protection against electric shock .....	14
9 Terminals .....	15
10 Provision for earthing .....	16
11 Construction.....	17
12 Moisture resistance, insulation resistance and electric strength.....	18
13 Mechanical strength .....	20
14 Screws, current-carrying parts and connections.....	21
15 Creepage distances and clearances .....	21
16 Endurance.....	25
17 Resistance to heat and fire.....	26
18 Resistance to excessive residual stresses (season cracking) and to rusting .....	29
Annex A (informative) Lampholders covered by this standard .....	31
Annex B (normative) Suitable metals .....	33
Annex C (normative) Season cracking/corrosion test .....	34
Annex D (normative) Pendulum impact test apparatus .....	36
Annex E (informative) Clauses containing new or more stringent requirements with respect to the previous edition .....	38
Bibliography.....	39
Figure 1 – Ball-pressure test apparatus .....	27
Figure D.1 – Impact test apparatus .....	36
Figure D.2 – Mounting fixture.....	37
Table 1 – Minimum values of insulation resistance.....	19
Table 2 – Height of fall.....	20
Table 2a – Minimum distances for AC sinusoidal voltages up to 30 kHz – Impulse withstand category II.....	22
Table 2b – Minimum distances for AC sinusoidal voltages up to 30 kHz – Impulse withstand category III.....	23
Table 3 – Minimum distances for ignition pulse voltages or equivalent peak voltages $U_p$ .....	24
Table A.1 – Lampholders covered by this standard .....	31
Table C.1 – Test solution .....	34

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### MISCELLANEOUS LAMPHOLDERS –

#### Part 1: General requirements and tests

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This Consolidated version of IEC 60838-1 bears the edition number 5.1. It consists of the fifth edition (2016-05) [documents 34B/1850A/FDIS and 34B/1856/RVD] and its amendment 1 (2017-02) [documents 34B/1888/FDIS and 34B/1891/RVD]. The technical content is identical to the base edition and its amendment.

This Final version does not show where the technical content is modified by amendment 1. A separate Redline version with all changes highlighted is available in this publication.

International Standard IEC 60838-1 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

This fifth edition constitutes a technical revision.

The significant technical changes in this edition with respect to the previous edition include the introduction of new or revised requirements for single and dual contact ignition voltages, steel test caps and brass test caps and an Annex E listing amended requirements/clauses which require products to be retested.

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

A list of all parts in the IEC 60838 series, published under the general title *Miscellaneous lamp holders*, can be found on the IEC website.

In this standard, the following type is used:

– *compliance statements: in italic type.*

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## MISCELLANEOUS LAMPHOLDERS –

### Part 1: General requirements and tests

#### 1 Scope

This part of IEC 60838 applies to lampholders of miscellaneous types intended for building-in (to be used with general purpose light sources, projection lamps, floodlighting lamps and street-lighting lamps with caps as listed in Annex A) and the methods of test to be used in determining the safe use of lamps in lampholders.

This part of IEC 60838 also covers lampholders which are integral with a luminaire. It covers the requirements for the lampholder only.

This part of IEC 60838 also covers lampholders integrated in an outer shell and dome similar to Edison screw lampholders. Such lampholders are further tested in accordance with the relevant clauses of IEC 60238.

Requirements for lampholders for tubular fluorescent lamps, Edison screw lampholders and bayonet lampholders are covered by separate standards.

#### 2 Normative references

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

IEC 60061 (all parts), *Lamp caps and holders together with gauges for the control of interchangeability and safety* (available at <http://std.iec.ch/iec60061>)

IEC 60061-2, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders*

IEC 60061-3, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges*

IEC 60068-2-75:2014, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60112:2003, *Method for the determination of the proof and the comparative tracking indices of solid insulating materials*  
IEC 60112:2003/AMD1:2009

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60238, *Edison screw lampholders*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*