



IEC 60884-2-3

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EXTENDED VERSION

# INTERNATIONAL STANDARD

This full version of IEC 60884-2-3:2025 includes the content of the references made to IEC 60884-1:2022

**Plugs and socket-outlets for household and similar purposes –  
Part 2-3: Particular requirements for switched socket-outlets without interlock  
for fixed installations**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD.....	6
1 Scope.....	8
2 Normative references .....	9
3 Terms and definitions .....	10
4 General requirements .....	18
5 General remarks on tests .....	18
6 Ratings.....	21
7 Classification .....	21
8 Marking .....	24
9 Checking of dimensions.....	28
10 Protection against electric shock .....	29
11 Provision for earthing .....	37
12 Terminals and terminations.....	39
13 Construction of fixed socket-outlets .....	59
14 Construction of plugs and portable socket-outlets .....	72
15 Interlocked socket-outlets.....	72
16 Resistance to ageing, protection provided by enclosures, and resistance to humidity.....	72
17 Insulation resistance and electric strength .....	80
18 Operation of earthing contacts .....	82
19 Temperature rise .....	82
20 Breaking capacity .....	90
21 Normal operation .....	95
22 Force necessary to withdraw the plug.....	101
23 Flexible cables and their connection .....	106
24 Mechanical strength .....	106
25 Resistance to heat.....	124
26 Screws, current-carrying parts and connections.....	127
27 Creepage distances, clearances and distances through sealing compound.....	129
28 Resistance of insulating material to abnormal heat, to fire and to tracking .....	132
29 Resistance to rusting .....	137
30 Additional tests on pins provided with insulating sleeves .....	137
31 EMC requirements .....	137
32 Electromagnetic fields (EMF) requirements.....	138
Annex A (normative) Safety-related routine tests for factory-wired portable accessories (protection against electric shock and correct polarity) .....	139
Annex B (informative) Alternative gripping tests .....	140
Annex C (normative) Switches incorporated in portable socket-outlets.....	141
Annex D (normative) Requirements for plugs and fixed or portable socket-outlets intended to be used with AWG cables .....	142
Annex E (informative) Tests to be applied during the production of crimped connections in accessories .....	155

Annex F (normative) Additional requirements for accessories provided with insulation-piercing terminals .....	157
Annex G (informative) Additional tests and requirements for accessories intended to be used in ambient temperatures below $-5\text{ }^{\circ}\text{C}$ down to and including $-45\text{ }^{\circ}\text{C}$ .....	167
Annex H (informative) Additional tests and requirements for accessories intended to be used in ambient temperatures above $+40\text{ }^{\circ}\text{C}$ up to and including $+70\text{ }^{\circ}\text{C}$ .....	172
Annex I (normative) Additional requirements and tests for plugs and socket-outlets for high-load (HL) application .....	175
Bibliography.....	176
Figure 1 – Examples of accessories.....	11
Figure 2 – Example of thread-forming screw .....	14
Figure 3 – Example of thread-cutting screw .....	14
Figure 4 – Examples of membranes and grommets .....	16
Figure 5 – Test piston dimensions.....	27
Figure 6 – Arrangement for compression test.....	31
Figure 7 – Gauge for checking non-accessibility of live parts, through shutters .....	34
Figure 8 – Gauge for checking non-accessibility of live parts, through shutters, and of live parts of socket-outlets with increased protection.....	35
Figure 9 – Pillar terminals .....	42
Figure 10 – Screw head terminals and stud terminals .....	43
Figure 11 – Saddle terminals .....	44
Figure 12 – Mantle terminals.....	45
Figure 13 – Arrangement for checking damage to conductors .....	46
Figure 14 – Information for deflection test.....	57
Figure 15 – Verification of the requirements of 13.4 .....	63
Figure 16 – Device for checking the resistance to lateral strain .....	67
Figure 18 – Types of test wall .....	77
Figure 19 – Test set-up in accordance with 16.2.3 .....	78
Figure 20 – Clamping unit for the temperature rise test of Clause 19 .....	85
Figure 21 – Example of a trend line calculation .....	90
Figure 22 – Example of apparatus for breaking capacity and normal operation test.....	92
Figure 23 – Circuit diagrams for breaking capacity and normal operation tests .....	93
Figure 101 – Example of apparatus for testing the making and breaking capacity and the normal operation of switches in switched socket-outlets.....	95
Figure 24 – Test procedures for normal operation for socket-outlets with shutters (see Clause 21).....	99
Figure 25 – Apparatus for verification of maximum withdrawal force .....	103
Figure 26 – Gauge for the verification of minimum withdrawal force .....	104
Figure 29 – Sketches showing the application of the blows according to Table 23.....	109
Figure 30 – Apparatus for impact test at low temperature of 24.5.....	112
Figure 31 – Apparatus for abrasion test on insulating sleeves of plug pins.....	113
Figure 32 – Arrangement for mechanical strength test on multiple portable socket-outlets .....	115
Figure 33 – Example of test arrangement to verify the retention of pins in the body of the plug .....	116

Figure 34 – Arrangement for test on covers or cover-plates .....	119
Figure 35 – Gauge (thickness about 2 mm) for the verification of the outline of covers or cover-plates.....	120
Figure 36 – Examples of application of the gauge of Figure 35 on covers fixed without screws on a mounting surface or supporting surface.....	121
Figure 37 – Examples of application of the gauge of Figure 35 in accordance with the requirements of 24.16.....	122
Figure 38 – Gauge for verification of grooves, holes and reverse tapers .....	123
Figure 39 – Sketch showing the direction of application of the gauge of Figure 38 .....	123
Figure 40 – Ball pressure test apparatus.....	125
Figure 41 – Apparatus for compression test for the verification of resistance to heat specification of 25.5.....	126
Figure 42 – Diagrammatic representation of 28.1.2.....	133
Figure 43 – Apparatus for testing resistance to abnormal heat of insulating sleeves of plug pins.....	136
Figure F.1 – Example of IPTs.....	165
Figure F.2 – Example of test-points .....	165
Figure F.3 – Temperature cycle for voltage drop test 12.4.11.....	166
Figure H.1 – Schematic drawing of a de-rating curve with an example of a de-rated current $I_d$ at the operating ambient temperature $t_d$ .....	173
Table 1 – Survey of specimens needed for tests .....	19
Table 2 – Preferred combinations of types and ratings.....	21
Table 3 – Gauge tolerances .....	28
Table 4 – Relationship between rated current and connectable nominal cross-sectional areas of copper conductors.....	39
Table 5 – Values for pull test for screw-type terminals .....	47
Table 6 – Composition of conductors .....	48
Table 7 – Tightening torques for the verification of the mechanical strength of screw-type terminals .....	50
Table 8 – Relationship between rated current and connectable cross-sectional areas of copper conductors for screwless-type terminals.....	51
Table 9 – Value for pull test for screwless-type terminals .....	53
Table 10 – Values for flexing under mechanical load test for copper conductors .....	54
Table 11 – Test current for the verification of electrical and thermal stresses in normal use for screwless-type terminals .....	54
Table 12 – Nominal cross-sectional areas of rigid copper conductors for deflection test of screwless-type terminals.....	57
Table 13 – Deflection test forces for screwless-type terminals .....	58
Table 14 – Forces to be applied to covers, cover-plates or actuating members whose fixing is not dependent on screws .....	65
Table 15 – External cable dimension limits for surface-type socket-outlets .....	69
Table 16 – Nominal cross-sectional areas of copper conductors for the temperature-rise test .....	82
Table 17 – Test current for cycling tests on accessories with crimped connection .....	89

Table 18 – Relationship between rating of accessories, nominal cross-sectional areas of test conductors and test currents for the tests of temperature rise (Clause 19) and normal operation (Clause 21).....	96
Table 101 – Number of operations for normal operation test .....	101
Table 19 – Maximum and minimum withdrawal force for plugs and socket-outlets.....	105
Table 23 – Height of fall for impact tests .....	108
Table 24 – Torque test values for cable glands .....	113
Table 25 – Resistance to heat of different types or parts of accessories .....	124
Table 26 – Creepage distances, clearances and distances through insulating sealing compound.....	130
Table 102 – Creepage distances, clearances and distances through sealing compound .....	132
Table F.1 – Relationship between rated currents and connectable cross-sectional areas of copper conductors for IPTs .....	160
Table F.2 – Test current for the verification of electrical and thermal stresses in normal use of IPTs .....	164
Table G.1 – Energy for impact tests .....	170

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## **PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –**

### **Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations**

#### FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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**This extended version (EXV) of the official IEC Standard provides the user with the full content of the Standard.**

**IEC 60884-2-3:2025 EXV includes the content of IEC 60884-2-3:2025, and the references made to IEC 60884-1:2022.**

**The specific content of IEC 60884-2-3:2025 is displayed on a **blue background**.**

IEC 60884-2-3 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories. It is an International Standard.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) alignment to IEC 60884-1, fourth edition.

The text of this International Standard is based on the following documents:

Draft	Report on voting
23B/1546/FDIS	23B/1560/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This document is to be used in conjunction with IEC 60884-1:2022.

This document supplements or modifies the corresponding clauses in IEC 60884-1:2022, so as to convert that publication into the IEC standard: Particular requirements for switched socket-outlets without interlock for fixed installations.

When a particular subclause of IEC 60884-1:2022 is mentioned in this document, that subclause applies as far as reasonable. Where this document states "addition", "modification" or "replacement", the relevant text of IEC 60884-1:2022 is to be adapted accordingly.

In this document the following print types are used:

- requirements proper: in roman type;
- *test specification: in italic type;*
- explanatory notes: in small roman type.

Subclauses, notes, figures and tables or figures which are additional to those in IEC 60884-1:2022 are numbered starting from 101.

A list of all parts in the IEC 60884 series, published under the general title *Plugs and socket-outlets for household and similar purposes*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

# PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

## Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations

### 1 Scope

This part of IEC 60884 applies to switched socket-outlets without interlock, for fixed installation, for AC only, with or without earthing contact, with a rated voltage not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors.

This document applies to socket-outlets controlled by a manually operated mechanical switch.

Compatible plugs and socket-outlets, when combined, form a plug and socket-outlet system. Standardized systems used around the world are reported in IEC/TR 60083.

The rated current is limited to 16 A maximum for accessories provided with screwless-type terminals.

This document covers only those requirements for mounting boxes which are necessary for the tests on the socket-outlet.

NOTE 1 Requirements for general purpose mounting boxes are given in IEC 60670-1.

This document also applies to:

- plugs which are a part of cord sets;
- plugs and portable socket-outlets which are a part of cord extension sets;
- plugs and socket-outlets which are a component of an appliance, unless otherwise stated in the standard for the relevant appliance; and
- plugs and socket-outlets incorporating pilot lights.

This document does not apply to:

- plugs, socket-outlets and couplers for industrial purposes;
- appliance couplers;
- plugs, fixed and portable socket-outlets for extra low voltage (ELV);

NOTE 2 ELV values are specified in IEC 60364-4-41.

- fixed socket-outlets combined with fuses, automatic switches, etc.

Plugs of this document are intended to be energised by socket-outlets.

NOTE 3 Use in any other manner could result in unsafe conditions within the installation if proper precautions are not taken. When energy producing equipment is connected to the fixed installation via plugs of this document all safety aspects of the products and the installation need to be evaluated by the manufacturer of the energy producing equipment.

Plugs and socket-outlets complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average temperature over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of –5 °C.



In locations where special conditions prevail, such as in ships, vehicles and the like and in hazardous locations, for example where explosions are liable to occur, additional requirements can be applicable.

This document gives additional requirements for accessories intended to be used with AWG cables, see Annex D (normative).

This document gives additional tests to be applied during the production of crimped connections in accessories, see Annex E (informative).

This document gives additional requirements for accessories provided with insulation-piercing terminals, see Annex F (normative).

This document gives additional specifications for accessories intended to be used in ambient temperatures below  $-5\text{ °C}$  down to and including  $-45\text{ °C}$ , see Annex G (informative).

This document gives additional specifications for accessories intended to be used in ambient temperatures above  $+40\text{ °C}$  up to and including  $+70\text{ °C}$ , see Annex H (informative).

This document gives additional requirements for plugs and socket-outlets for high load (HL). These plugs and socket-outlets are typically intended to be used for loads applying long and repetitive cycles up to the rated current of the accessories, see Annex I (normative).

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60068-2-30, *Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12 + 12 h cycle)*

IEC 60068-2-31, *Environmental testing – Part 2-31: Tests – Test Ec: Rough handling shocks, primarily for equipment-type specimens*

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

IEC 60112, *Method for the determination of the proof and the comparative tracking indices of solid insulating materials*

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

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

IEC 60417, *Graphical symbols for use on equipment* (available at <http://www.graphical-symbols.info/equipment>)

IEC 60423:2007, *Conduit systems for cable management – Outside diameters of conduits for electrical installations and threads for conduits and fittings*

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

IEC 60529:1989/AMD1:1999

IEC 60529:1989/AMD2:2013

IEC 60669 (all parts), *Switches for household and similar fixed-electrical installations*

IEC 60669-2-1:2021, *Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic control devices*

IEC 60695-2-10:2021, *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure*

IEC 60695-2-11:2021, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end products (GWEPT)*

IEC 60884-2-1, *Plugs and socket-outlets for household and similar purposes – Part 2-1: Particular requirements for fused plugs*

IEC 60884-1:2022, *Plugs and socket-outlets for household and similar purposes – Part 1: General requirements*

IEC 61032:1997, *Protection of persons and equipment by enclosures – Probes for verification*

IEC 61058 (all parts), *Switches for appliances*

IEC 61545, *Connecting devices – Devices for the connection of aluminium conductors in clamping units of any material and copper conductors in aluminium bodied clamping units*

ISO/IEC Guide 51, *Safety aspects – Guidelines for their inclusion in standards*

ISO 1456:2009, *Metallic and other inorganic coatings – Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium*

ISO 2081:2018, *Metallic and other inorganic coatings – Electroplated coatings of zinc with supplementary treatments on iron or steel*

ISO 2093:1986, *Electroplated coatings of tin – Specification and test methods*

# INTERNATIONAL STANDARD

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**Plugs and socket-outlets for household and similar purposes –  
Part 2-3: Particular requirements for switched socket-outlets without interlock  
for fixed installations**



## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 General requirements .....	7
5 General remarks on tests .....	7
6 Ratings.....	7
7 Classification.....	7
8 Marking .....	8
9 Checking of dimensions.....	8
10 Protection against electric shock .....	9
11 Provision for earthing .....	9
12 Terminals and terminations.....	9
13 Construction of fixed socket-outlets .....	10
14 Construction of plugs and portable socket-outlets .....	11
15 Interlocked socket-outlets.....	11
16 Resistance to ageing, protection provided by enclosures, and resistance to humidity.....	11
17 Insulation resistance and electric strength .....	11
18 Operation of earthing contacts.....	12
19 Temperature rise .....	12
20 Breaking capacity .....	12
21 Normal operation .....	14
22 Force necessary to withdraw the plug.....	15
23 Flexible cables and their connection.....	15
24 Mechanical strength .....	15
25 Resistance to heat.....	15
26 Screws, current-carrying parts and connections.....	15
27 Creepage distances, clearances and distances through sealing compound.....	15
28 Resistance of insulating material to abnormal heat, to fire and to tracking .....	16
29 Resistance to rusting .....	16
30 Additional tests on pins provided with insulating sleeves .....	16
31 EMC requirements.....	16
32 Electromagnetic fields (EMF) requirements.....	16
Annexes .....	17
Annex A (normative) Safety-related routine tests for factory-wired portable accessories (protection against electric shock and correct polarity) .....	17
Annex B (informative) Alternative gripping tests .....	17
Annex C (normative) Switches incorporated in portable socket-outlets.....	17
Annex I (normative) Additional requirements and tests for plugs and socket-outlets for high-load (HL) application.....	17

Figure 101 – Example of apparatus for testing the making and breaking capacity and the normal operation of switches in switched socket-outlets ..... 13

Table 101 – Number of operations for normal operation test ..... 14

Table 102 – Creepage distances, clearances and distances through sealing compound ..... 16

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## **PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –**

### **Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations**

#### **1 Scope**

IEC 60884-1:2022, Clause 1 is applicable except as follows.

*Replacement of the first paragraph:*

This part of IEC 60884 applies to switched socket-outlets without interlock, for fixed installation, for AC only, with or without earthing contact, with a rated voltage not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors.

This document applies to socket-outlets controlled by a manually operated mechanical switch.

#### **2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60884-1:2022, Clause 2 is applicable except as follows.

*Addition:*

IEC 60884-1:2022, *Plugs and socket-outlets for household and similar purposes – Part 1: General requirements*