Switches for appliances –

Part 2-4:
Particular requirements for independently mounted switches

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES –

Part 2-4: Particular requirements for independently mounted switches

FOREWORD

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6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

This part of International Standard IEC 61058 has been prepared by subcommittee 23J: Switches for appliances, of IEC technical committee 23: Electrical accessories.

This standard shall be used in conjunction with IEC 61058-1, \textit{Switches for appliances – Part 1: General requirements} (third edition, 2000). It lists the changes necessary to convert that standard into the IEC standard: Particular requirements for independently mounted switches.

This part constitutes the first edition of IEC 61058-2-4.


The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience.

It bears the edition number 1.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

The annex R forms an integral part of this standard.

The annexes S and T are for information only.
The committee has decided that the contents of the base publication and its amendment 1 will remain unchanged until 2007. At this date, the publication will be

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- withdrawn;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

In this part:

a) The following print types are used:
   - requirements proper: in roman type;
   - test specifications: in italic type;
   - explanatory matter: in smaller roman type.

b) Subclauses, figures or tables which are additional to those in part 1 are numbered starting from 101.
SWITCHES FOR APPLIANCES –

Part 2-4: Particular requirements for independently mounted switches

1 Scope

This clause of part 1 is applicable except as follows:

1.1 Replacement:

This International Standard applies to independently mounted switches for appliances (mechanical or electronic) actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A.

These switches are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral with or arranged separately, either physically or electrically, from the switch and may involve transmission of a signal, for example electrical, optical, acoustic or thermal, between the actuating member or sensing unit and the switch.

Switches which incorporate additional control functions governed by the switch function are within the scope of this standard.

This standard also covers the indirect actuation of the switch when the operation of the actuating member or sensing unit is provided by a remote control or a part of an appliance or equipment such as a door.

NOTE 1 Electronic switches may be combined with mechanical switches giving full disconnection or micro-disconnection.

NOTE 2 Electronic switches without a mechanical switch in the supply circuit provide only electronic disconnection. Therefore, the circuit on the load side is always considered to be live.

NOTE 3 For switches used in tropical climates, additional requirements may be necessary.

NOTE 4 Attention is drawn to the fact that the standards for appliances may contain additional or alternative requirements for switches.

NOTE 5 Throughout this standard, the word “appliance” means “appliance or equipment”.

1.2 This subclause of Part 1 is not applicable

1.3 This subclause of Part 1 is applicable.

1.4 This subclause of Part 1 is not applicable.
2 Normative references

This clause of part 1 is applicable except as follows:

Addition:

IEC 60227-3:1997, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring