

WHAC.GuideInfo - SWITCHES FOR APPLIANCES

Switches for Appliances

Guide Information for Electrical Equipment for Use in Ordinary Locations

USE AND INSTALLATION

This category covers switches (mechanical or electronic) for, or in, appliances 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 investigated primarily to the IEC 61058-1 series of standards, and may be additionally investigated to the corresponding EN 61058-1 and/or ANSI/UL 61058-1 series of standards.

Switches are provided with access to instructions to indicate the proper installation. The electrical load ratings are either marked on the switch or provided in the instructions.

These products are intended for use in areas of the world where IEC, EN and/or U.S. Standards are in effect.

Switches that are intended to be used in IEC 60335-1, EN 60335-1 and UL 60335-1 applications (household and similar electrical appliances) and additionally tested to the relevant IEC 60335-1, EN 60335-1 and UL 60335-1 requirements are so identified in the individual certifications.

PRODUCT MARKINGS

These switches are marked with the manufacturer's identifier (such as name or trademark, as described in the UL file), and the catalog or model number (or equivalent).

PRODUCT IDENTITY

One of the following product identities appears on the product:

Appliance Switch

Cord-operated Switch

Lever Switch

Micro Switch

Push-button Switch

Push-Pull Switch

Rocker Switch

Rotary Switch

Switch

RELATED PRODUCTS

Appliance switches and special-use switches are covered under Switches, Appliance and Special Use (WOYR2).

General-use snap switches or flush-mounted switches installed in a wiring system per ANSI/NFPA 70, "National Electrical Code," are covered under Switches, Surface (WOKT) and Switches, Flush (WMUZ), respectively.

Pendant and through-cord switches (with one "on" and one "off" position) are covered under Switches, Pendant (WNIX).

Solid-state dimmers and special-use dimmers are covered under Dimmers, General-use Switch (EOYX) and Appliance Controls (ATNZ), respectively.

Manual motor controllers are covered under Motor Controllers, Manual (NLRV).

Switches intended for industrial applications are covered under Power Circuit and Motor-mounted Apparatus (NMTR).

Knife switches are covered under Switches, Knife (WIOV).

Clock-operated switches are covered under Switches, Clock Operated (WGZR).

Temperature-indicating and -regulating switches are covered under Temperature-indicating and -Regulating Equipment (XAPX2) and Controllers, Refrigeration (SDFY2).

Nonindustrial photoelectric switches for lighting control and/or motion-sensitive switches intended for nonindustrial applications are covered under Switches, Photoelectric (WJCT).

Plug-in, locking-type photocontrols for use with area lighting intended for parking lot and roadway lighting are covered under Photocontrols, Plug-in, Locking Type (WJFX).

Membrane switches, including tactile and nontactile, intended for installation in devices or appliances are covered under Switches, Membrane (WHSM2).

Devices which control appliances and equipment not actuated intentionally by a person are covered under Miscellaneous Controls (XACN).

ADDITIONAL INFORMATION

For additional information, see Electrical Equipment for Use in Ordinary Locations (AALZ).

REQUIREMENTS

The basic standard used to investigate products in this category is IEC 61058-1, "Switches for Appliances - Part 1: General Requirements."

Additional standards may be used as follows:

IEC 61058-1-1, "Switches for Appliances - Part 1-1: Requirements for Mechanical Switches"

IEC 61058-1-2, "Switches for Appliances - Part 1-2: Requirements for Electronic Switches"

IEC 61058-2-1, "Switches for Appliances - Part 2-1: Particular Requirements for Cord Switches"

IEC 61058-2-4, "Switches for Appliances - Part 2-4: Particular Requirements for Independently Mounted Switches"

IEC 61058-2-5, "Switches for Appliances - Part 2-5: Particular Requirements for Change-Over Selectors"

IEC 61058-2-6, "Switches for Appliances - Part 2-6: Particular Requirements for Switches Used in Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery"

Note: The IEC 61058 Part 1 and 2 standards are required to be used in conjunction with IEC 61058-1.

IEC 61020-1, "Electromechanical Switches for Use in Electrical and Electronic Equipment - Part 1: Generic Specification"

EN 61058-1, "Switches for Appliances - Part 1: General Requirements"

EN 61058-1-1, "Switches for Appliances - Part 1-1: Requirements for Mechanical Switches"

EN 61058-1-2, "Switches for Appliances - Part 1-2: Requirements for Electronic Switches"

EN 61058-2-1, "Switches for Appliances - Part 2-1: Particular Requirements for Cord Switches"

EN 61058-2-4, "Switches for Appliances - Part 2-4: Particular Requirements for Independently Mounted Switches"

EN 61058-2-5, "Switches for Appliances - Part 2-5: Particular Requirements for Change-Over Selectors"

EN 61058-2-6, "Switches for Appliances - Part 2-6: Particular Requirements for Switches Used in Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery"

Note: The EN 61058 Part 1 and 2 standards are required to be used in conjunction with EN 61058-1.

ANSI/UL 61058-1, "Switches for Appliances - Part 1: General Requirements"

ANSI/UL 61058-1-1, "Switches for Appliances - Part 1-1: Requirements for Mechanical Switches"

ANSI/UL 61058-1-2, "Switches for Appliances - Part 1-2: Requirements for Electronic Switches"

Note: The ANSI/UL 61058 Part 1 and 2 standards are required to be used in conjunction with ANSI/UL 61058-1.

UL MARK

The Certification Mark of UL on the product, or the UL symbol on the product and the Certification Mark on the smallest unit container in which the product is packaged is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," and a file number.

Additional Certification Markings

Products covered under this category are additionally marked with the following information:

IEC 61058-1 *

* Additional standards as applicable: **IEC 61058-1-1, IEC 61058-1-2, IEC 61058-2-1, IEC 61058-2-4, IEC 61058-2-5, IEC 61058-2-6, IEC 61020-1, EN 61058-1-1, EN 61058-1-2, EN 61058-2-1, EN 61058-2-4, EN 61058-2-5, EN 61058-2-6, ANSI/UL 61058-1, ANSI/UL 61058-1-1 and/or ANSI/UL 61058-1-2**

Alternate UL Mark

The Listing Mark of UL on the product, or the UL symbol on the product and the Listing Mark on the smallest unit container in which the product is packaged is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and one of the following product names: "Appliance Switch," "Cord-operated Switch," "Lever Switch," "Micro Switch," "Push-button Switch," "Push-Pull Switch," "Rocker Switch," "Rotary Switch" or "Switch."

* * * * *

UL, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental or consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Guide Information.

Last Updated on 2018-04-02

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2019 UL LLC"