

## STANDARD INFORMATION

**Standard:** UL 20 / CSA C22.2 No. 111

**Standard ID:**

General-Use Snap Switches [UL 20:2025 Ed.15]

General-Use Snap Switches [CSA C22.2#111:2025 Ed.6]

**Previous Standard ID:**

General-Use Snap Switches [UL 20:2018 Ed.14+R:31May2023]

General-Use Snap Switches [CSA C22.2#111:2018 Ed.5+U1;U2]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **January 31, 2027**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

**Overview of Changes:** Specific details of new/revise requirements are found in table below.

- AC Only Flush Switch employing magnetic assisted actuation
- Flush Switch Grounding Terminal
- Conductor Type Markings
- Modular AC Only Flush Switch With Separable Device

Specific details of new/revise requirements are found in table below

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
10	Info	<b>Current-Carrying Parts</b>
10.3	Info	<b>Terminals and leads</b>
		<b><i>New clause added;</i></b>
10.3.9		<p>Terminals of switches rated 20 amperes or less and also identified for connection to copper-clad aluminum conductor shall be capable of being assembled to 12 AWG (3.3 mm<sup>2</sup>) solid conductor for switches rated 15 amperes and 10 AWG (5.3 mm<sup>2</sup>) solid conductor for switches rated 20 amperes. Compliance shall be checked by Terminal Strength Test, Section 55 for switches employing:</p> <p>a) Wire-binding screws alone or in combination with push-in terminals. b) Pressure-wire terminals only; c) Wire-binding screws in combination with pressure-wire terminals.</p> <p>For switches employing set screw type terminals see 10.3.7.</p>
17		<b><i>New section added;</i></b>
		<b>Magnetic Assisted Switch Actuator</b>
17.1		<p>A switch toggle or rocker actuator provided with permanent magnet shall comply with all of the following:</p> <p>a) The mounting yoke shall be designed to prevent flush mounting in a multi-gang outlet box. Only intended for single gang outlet box installation. See 57.17 for installation details. b) Permanent magnets are only intended to provide physical magnetic attraction and/or repulsion of toggle or rocker switch actuator. Permanent magnets shall not be located in cavity where switching contacts operate. c) The permanent magnet shall be protected against corrosion with one of the following:</p> <p>1) A zinc coating having an average thickness not less than 0.013 mm (0.0005 inch) and a minimum thickness of not less than 0.0102 mm (0.0004 inch); or 2) A nickel coating having a thickness not less than 0.0038 mm (0.00015 inch); or 3) A tin over nickel coating having an overall thickness of not less than 0.0038 mm (0.00015 inch). d) There shall be no magnetic field greater than 5 Gauss (G) (0.5mT) when measured with a suitable indicator such as a gauss meter when from a distance of 50.8 mm (2 inch) and beyond the external surface of the switch actuator. Compliance is checked by Magnetic field strength test, Section, 54.</p>



CLAUSE	VERDICT	COMMENT
20	Info	<p><b>Provision for Grounding</b></p> <p><i>New clause added;</i></p>
20.8		<p>A flush-type switch that is provided with a grounding terminal shall only accept a single grounding conductor and shall not serve as a connection point for two separate conductors.</p> <p><i>New section added;</i></p> <p><b>Magnetic Field Strength Test</b></p>
54		<p>When tested as described in 54.2, there shall be no magnetic field greater than 5 Gauss (0.5 mT) when measured with a suitable indicator such as a gauss meter from a distance of 50.8 mm (2-inch) and beyond the external surface of the switch actuator.</p> <p>See standard for details.</p> <p><i>New section added;</i></p> <p><b>Terminal Strength Test</b></p>
55		<p>conductor size (AWG) is otherwise identified on the device, individual package label, or instruction sheet, a flush switch rated 20 amperes or less and identified for connection to copper-clad aluminum conductor, when tested as described in this section, shall not exhibit:</p> <p>See standard for details.</p>
	Info	<b>MARKINGS</b>
57	Info	<b>General</b>
57.17		A switch provided with magnet shall be marked on the device, individual package, label, or its instruction sheet "Only intended for installation in a single-gang flush device box" or equivalent.
62	Info	<b>Switch Termination Restrictions</b>
		The switch, individual package label, or instruction sheet shall be marked with one of the symbols shown in Table 62.1.
62.2		<p>If the installation instruction marking on the switch is different from the marking either appearing on the packaging, label or instruction, the marking appearing on the packaging, label or instruction shall be used to identify the type and size (AWG) of conductors suitable for use with the switch. If no instruction is available or provided with the switch, markings appearing on the switch shall be used.</p> <p>NOTE: If the device itself carries the marking, one of the abbreviated markings in 62.4 may be used.</p>



CLAUSE	VERDICT	COMMENT
		<i>New annex added;</i>
		<b>MODULAR AC ONLY FLUSH SWITCH WITH SEPARABLE DEVICE</b>
Annex B		The requirements of this Annex cover AC only flush snap switch with separable device module (i.e., such as a nightlight, dimmer, occupancy sensor, timers, air freshener, temperature and humidity controls, motor control, power supply with USB connectors, camera, Wi-Fi extender).
		See standard for details.

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