# CERTIFICATION Notice

An Urgent Bulletin from CSA Group

**Switches No. 15** **Effective Date: December 31, 2016**

**Date: August 8, 2014** **Apply Before May 1, 2015**

Announcing: Publication of Standard C22.2 No. 111-10/UL 20, Thirteenth Edition, General-use snap switches, including Update No.1, dated February, 2012

See Attachment 1 for affected Class Numbers.

To purchase the Standard, visit us at www.shopcsa.ca

## Who is affected?

Manufacturers of General-use Snap Switches

## What do you do?

1. CSA Group Service Delivery staff will contact you to address compliance with each revision as applicable to the product designs covered in your affected Certification Reports. In addition to updates to your Certificate(s) of Compliance & Report(s), testing may be required to comply with these revisions.
2. Please respond within thirty (30) days of receiving CSA Group's "Application for CSA Certification Services" and "Quotation" communication. You must respond no later than May 1, 2015 in order to guarantee the update to your certification is completed by December 31, 2016. If testing is needed, we will inform you of the samples required.

## Approvals:

Manufactures with currently certified general-use snap switches, as well as manufacturers of door type, ac/dc fixture type, flush type, pendant and through cord type, and self- contained switches shall make application on or before May 1, 2015. In addition, this Certification Notice will apply to general use switches, pendant and through-cord switches with one "on" and one "off" position, door switches, and fixture switches, formerly covered in CSA Standard C22.2 No. 55-M1986, and now transferred to CSA C22.2 No. 111-10, as outlined in Certification Notice Switches No. 16.

## Major Revisions:

For a list of changes see Attachment 2 below

## Background and Rationale:

This announces the publication of standard C22.2 No. 111-10/UL 20, Thirteenth Edition, General-use snap switches, including Update No.1, dated February, 2012. This supersedes the previous editions of the standard CSA C22.2 No. 111-00/UL 20, Twelfth edition, published in 2000, and C22.2 No. 111-M1986 (R1992).

This standard was reviewed by the CSA Integrated Committee on Wiring Devices for Household and General Use, under the jurisdiction of the CSA Technical Committee on Wiring Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

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For questions specific to your file or products contact your CSA Group technical staff associate.
Go to http://directories.csa-international.org/ and enter your Master Contract # and the class numbers associated with this Notice to determine which of your products are affected.

**For technical questions on this Certification Notice**

Contact Todd Hamden
by phone 416.747.2225, fax 416.401.6533
or e-mail todd.hamden@csagroup.org

In the event your models do not comply with the effective standards, arrangements must be made to bring them into compliance.

In the event we do not receive a response as to your currently certified models, prior to the above applicable effective date(s), the certification of such models will be discontinued.

CSA Group

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# ATTACHMENT 1

Affected Class Numbers

Class No:
6241 02, SWITCHES - Snap - Door
6241 03, SWITCHES - Snap - Fixture
6241 05, SWITCHES - Snap - Flush
6241 06, SWITCHES - Snap - Pendent
6241 07, SWITCHES - Snap - PENDENT - Sockets And Special Mechanism Types
6241 08, SWITCHES - Snap - Surface
6241 82, SWITCHES - Snap - Door - Certified to US Standards
6241 83, SWITCHES - Snap - Fixture - Certified to US Standards
6241 85, SWITCHES - Snap - Flush - Certified to US Standards
6241 86, SWITCHES - Snap - Pendent - Certified to US Standards
6241 88, SWITCHES - Snap-Surface-Certified to US Standards
6241 89, SWITCHES - Snap - Flush - Certified to US Standards

# ATTACHMENT 2

Major Revisions in C22.2 No. 111-10/UL 20, Thirteenth Edition from previous editions

Major changes from previous editions of the standard include the following:

Scope Expansion :

Addition of the following switch types:

1. Through cord and Pendant switches
2. Self contained switches
3. AC/DC Fixture switches
4. Momentary contact door switches

Construction changes:

Addition of the following new construction requirements:

A. New definitions (Terminal insulation displacement & pin type)
B. New requirement for key operated switch
C. New requirement for door switch (outlet box and cover plate must now be provided)
D. New test for sealing compounds (ASTM E 28-99)
E. New requirements for bushings and strain reliefs
F. Spacing requirements have been modified
G. New requirements for Push in (screwless) terminals
H. New requirements for Terminal plates
I. New Requirements for separable terminal assembly
J. Easement of requirements for Ground lead size
K. Polarity identification for lead wires
L. New requirements for Creepage Distances, Clearances and Distances through sealing compounds
M. New requirements for provision for grounding (Flush type intended for mounting in flush device box)
N. Identification of grounding terminals now required

New Tests:

Addition of the following new tests:

O. Pull out / Push in terminals
P. Temperature Push in Terminals
Q. Resistance to Heat (old UL Mold Stress)
R. Door switch assembly
S. 15 Day Temperature (Pin type terminals)
T. Strain Relief (30 day conditioning)
U. Fault current
V. Contact Gap
W. Assembly Test for pendant and through cord switches
X. Door switch assembly test
Y. Retention of Tab Connection Test
Z. Separable connector / terminal assembly test program
AA. Self contained devices new test program
BB. Increase current values for HP overload testing for 2 & 3 phase motor ratings
CC. Increase cycle requirements for endurance testing of pendant switch (increased to 30,000 cycles from previous 6000 cycles)
DD. Minor change to dielectric testing (pendant switches test value increased to 1250V from the previous 1000V)

Markings:

Minor changes to marking requirement