

Standard Information

Standard Number: CSA C22.2 No. 55

Standard Name: Special use switches

Standard Edition and Issue Date: 4th Edition Dated May 2015

Date of Revision: May 2015

Date of Previous Revision to Standard: 3rd Edition Reaffirmed 2012

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **June 30, 2017**

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: Scope, Construction, Marking and Test requirements changed or added. Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Schedule: So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- November 30, 2016 = 8 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- January 30, 2017 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- May 30, 2017 = 30 Day Warning – Client advised of all non-compliant Reports to be Suspended
- **June 30, 2017** = Effective Date – ATM Suspended for all non-compliant Reports

Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
		3 rd Edition Revised July 1, 2001
1.2 (c)		General use switches, pendant and through-cord type switches with one “on” and one “off” position, <u>door switches and fixture switches, are now covered in the CSA Standard C22.2 No. 111 (General-Use Snap Switches).</u>
		4 th Edition Issued May 2015
1.2 (h)		<u>Solid state lighting controls are now covered in CSA C22.2 No. 184.</u>
1.3		In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard. <u>Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.</u> <u>Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.</u>
4		General requirements General requirements applicable to this Standard are given in CAN/CSA-C22.2 No. 0.
5.2.1		Insulating materials used as part of the switch enclosure or for a part that is in, or projects into, an opening in the switch enclosure shall have a flammability classification of at least 0-6 V-O in accordance with CSA Standard C22.2 No. 0-6 <u>0.17.</u>
5.2.2		Insulating materials used within the enclosure of a switch shall have a flammability classification of at least 0-6 HB in accordance with CSA Standard C22.2 No. 0-6 <u>0.17.</u>
5.5.1		If the enclosure is either wholly or partly of metal, provision shall be made to prevent the enclosure from becoming live <u>should the lining shall be secure and prevent the enclosure from becoming live if the conductors inside the enclosure become loosened or detached from their positions under the terminal screws.</u>
5.6		Bases or bodies on which live parts are mounted shall be of suitable moisture absorption-resistant insulating material having a flammability classification of 0-6 HB or better in accordance with CSA Standard C22.2 No. 0-6 <u>0.17.</u>
5.8.3		Sulphur is not an acceptable sealant material.
5.8.4		<u>Determination of the softening point of a sealing compound shall be made in accordance with the test method specified in ASTM E28.</u>
5.10.2		<u>A quick-connect terminal employed on a switch shall comply with the dimension requirements in CSA C22.2 No. 153.</u>
5.10.3		<u>A push-in terminal shall comply with the relevant requirements of CSA C22.2 No. 111.</u>



Standards Update Notice (SUN)

Issued: October 4, 2016

Clause	Verdict	Comment
6.1.1		Switches shall be permanently and legibly marked with the following: a) name, trade name, registered trademark, or other recognized symbol of identification of the manufacturer; b) the electrical rating, including a horsepower value for switches that have been assigned a horsepower rating; c) FLA or LRA motor rating, if applicable; and d) <u>where practicable, the catalogue number or some suitable equivalent.</u>
7.2.2.5		<u>If a switch intended to control motors is rated in LRA and FLA, the locked rotor current shall be 6 times the value of full load current.</u>
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.