

Standard Information

Standard Number: UL 514D / CSA C22.2 No. 42.1

Standard Name: Cover Plates for Flush Mounted Wiring Devices

Standard Edition and Issue Date: 2nd Edition Dated June 28, 2013

Date of Revision: June 28, 2013, March 4, 2016

Date of Previous Revision to Standard: 1st Edition Revised June 28, 2011

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): July 1, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: Revised and Added Construction, marking and Test requirements. 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).

The content in this SUN is derived from the CSA Notice 75 dated November 5, 2013 August 1, 2014 and UL Proposal Bulletin dated May 22, 2015.

Fees: So that production of products bearing the Listing Mark will not be interrupted, a quote will be issued for the Applicant to work with their local Intertek Lab to determine the necessary test program, sampling requirement and needed construction details and/or updated marking/instruction details
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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 underlined and deletions are shown lined out below.</i>
-	-	Revisions dated June 28, 2013
Scope	Info	Now includes illuminating cover plates for flush-mounted wiring devices.
5.3.1		Updated to state that the markings clauses 5.3.2 to 5.3.4 are to be placed on the cover plate, outlet box hood, or both.
5.3.4		Updated to split apart marking requirements for outlet box hoods suitable for wet locations from outlet box hoods that are suitable for wet locations only when the hood is closed.
5.3.5		Added to require reattachable outlet box hoods to be marked as such.
6.2.3.5, 6.2.3.9 and 8.5.3	Info	Previous references to ASTM standards are replaced with references to ISO standards. Notes are added to give consideration to prior evaluations involving the ASTM standard and their equivalency to the ISO standard, however, the previous edition allowed two options for the test and the ISO standard may only be considered equivalent to one of the two ASTM methods.
6.2.3.5		Added to require <u>a polymeric material used as a coating other than zinc coating shall be subjected to identification of the compound using infrared spectroscopy (IR), thermogravimetric analysis (TGA), and differential scanning calorimetry (DSC) in accordance with UL 746A or CSA C22.2 No. 0.17. A compound that has been subjected to a separate identification investigation need not be re-identified. An organic material used as a coating other than zinc coating shall be subjected to identification of the compound using infrared spectroscopy (IR) in accordance with UL 1332. A compound that has been subjected to a separate identification investigation need not be re-identified.</u>
6.2.3.15		Added to <u>require infrared spectroscopy (IR), thermogravimetric analysis (TGA) and differential scanning calorimetry (DSC) for materials other than zinc used as coatings to provide corrosion protection.</u>
7.3		Requires that polymeric cover plate material complies with the hot wire resistance to ignition test, and the finished sample complies with the glow wire resistance to ignition test.
8.8.2		(Cold impact for nonmetallic outlet box hoods) no longer permits cracking or breaking, whereas the previous edition did allow cracking provided that a 0.8mm (1/32 in) diameter rod could not be inserted through the crack.
8.9		Impact resistance, only applicable to extra-duty use in damp or wet locations, are <u>now applicable to all outlet box hoods.</u>
8.9.1.3		Added to allow <u>the reattachment of reattachable outlet box hoods that come off during the impact resistance test prior to being subjected to further testing. Such outlet box hoods must be marked in accordance with clause 5.3.5.</u>



Standards Update Notice (SUN)

Issued: July 7, 2016

Clause	Verdict	Comment
8.9.2.2		Modified to require that outlet box hood other than for extra-duty shall be tested with a test weight of 2.72kg (6 lbs). There is no change to the test weight for extra-duty outlet box hoods.
8.10		Hinge stress resistance, previously only applicable to extra-duty use in damp or wet locations, are now applicable to all outlet box hoods.
8.10.4		Tests to ensure that a minimum force is required to remove the reattachable hood.
8.10.2.2		Modified to require that outlet box hoods other than for extra-duty be tested with a force of 9.0kg (20 lbs). There is no change to the test force for extra-duty outlet box hoods.
-	-	Revisions dated March 4, 2016
4.3.A		<u>An outlet box hood that is intended for use with receptacles of 15 and 20 Amperes in a wet location and marked according to either option in Clause 5.3.4, shall be of the extra-duty type and shall marked in accordance with Clause 5.3.8.</u>
5.3.8		An extra-duty outlet box hood that is intended for use with receptacles of 15 and 20 Amperes in a wet location shall be marked "Extra-Duty." complies with the applicable requirements in Clauses 8.9.1.4, 8.9.2, 8.9.3, and 8.10.2 may. Other outlet box hoods that comply with the applicable requirements in Clauses 8.9.1.4, 8.9.2, 8.9.3, and 8.10.2 may be marked "Extra-Duty."
7.3.7		<u>When required, the resistance to ignition tests for cover plates shall be conducted using finished cover plates or material samples. Testing both the finished cover plates and material samples is not required.</u>
8.10.1.3		An extra-duty outlet box hood shall not come off as a result of the hinge stress tests. An extra-duty outlet box hood may be marked in accordance with Clause 5.3.8.
8.1.1		Table describing Resistance to moisture tests applicable to cover plate samples.
8.1.2		Table describing Resistance to moisture tests applicable to outlet box hood (assembly) samples.
		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.