

STANDARD INFORMATION

Standard Number: UL 498

Standard Name: Attachment Plugs and Receptacles

Standard Edition and Issue Date: 16th Edition Dated April 28, 2017

Date of Revision: December 14, 2018

Date of Previous Revision of Standard: June 27, 2018

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **November 10, 2021**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- Revise marking of terminal tightening torque

Specific details of new/revise 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).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
	Info	Terminals
12	Info	General
12.2	Info	Wire-binding screw terminals
		<i>New clause added;</i>
12.2.7		The tightening torque for the wire-binding screw terminals shall be specified by the device manufacturer and shall be marked as described in Reference No. 4 of Table 193.2 for inlets and Reference No. 18 of Table 193.4 for receptacles.
111	Info	Retention of Blades Test
111.4	Info	<p>The standard gauge is to be configured as shown in Table 111.3 using the line blades with holes in the end and with the grounding blade in place. <u>The test is to be conducted using the apparatus as described in Figure 111.1A. The gauge is attached to the apparatus as shown. The apparatus consists of a principal mass, and a supplementary mass. The supplementary mass is 1.5 lbs (6.7 N). The principal mass, together with the supplementary mass, the Gage and any hardware equals 15 lbs (67 N) total. The gage is inserted fully into the device. The principal mass and associated hardware is hung on the gage without jolting. The gage shall not remain in the receptacle. If the gage does not withdraw the supplementary mass is raised and allowed to fall from a height of 2 in (51 mm) onto the principal mass one time. The gage shall not remain in the receptacle. A test apparatus that does not incorporate a supplementary mass and equals the 15 lbs (67 N) total is permitted if agreeable to all parties. The gauge is then to be inserted into the receptacle and a force applied in a direction normal to the plane of the face of the receptacle that tends to remove the gauge. The static force required to withdraw the gauge shall not exceed 15 lbf (67 N) (including the weight of the gauge).</u></p> <p>NOTE: This change in requirements do not require re-evaluation. This clause is added to inform customers that this test will be done differently in the future.</p>



CLAUSE	VERDICT	COMMENT
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	Info	MARKINGS AND INSTRUCTIONS
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193	Info	General
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Markings and instructions applicable to inlets (motor attachment plugs)

Table 193.2

Description	Reference	Marking	Location
Inlets with pressure-wiring terminals <u>or binding screw terminals</u> for field wiring on a branch circuit	4	The value of tightening torque assigned in accordance with 12.4.3 and <u>12.2.7</u> .	On the device where visible during installation, on the smallest unit container, or on an information sheet packed in the smallest unit container

Marking and instructions applicable to receptacles

Table 193.4

Description	Reference	Marking	Location
Receptacles with pressure-wiring terminals <u>or binding screw terminals</u> for field wiring on branch circuits	18	The value of tightening torque assigned in accordance with 12.4.3 and <u>12.2.7</u> .	On the device where visible during installation, on the smallest unit container, or on an information sheet packed in the smallest unit container.

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.