

## STANDARD INFORMATION

**Standard:** UL 498A

**Standard ID:** Current Taps and Adapters [UL 498A:2008 Ed.2+R:28May2020]

**Previous Standard ID:** Current Taps and Adapters [UL 498A:2008 Ed.2+R:02Aug2019]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **May 28, 2022**

## 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.

**Overview of Changes:** Additional requirements for a current tap that includes either a shelf or ledge that is intended to support a product (such as a cell phone or tablet) during charging. Specific details of new/revisted requirements are found in table below.

***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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
7	Info	<b>Markings</b>
7.13	Info	<b>Current tap with shelf</b>
		<b><i>New clause added;</i></b>
7.13/1		A current tap with a shelf intended to accommodate a product (such as a cell phone) shall be marked on the shelf surface visible after installation with the safety alert symbol,  , preceding the word "CAUTION" and the following or equivalent statement : "This shelf (or compartment) is intended for use with a product weighing not more than 450 grams (Approx. 16 oz) and having dimensions that will permit even position on this shelf. (See instructions.) Use with other products may result in instability causing possible injury".
8	Info	<b>Installation Instructions</b>
		<b><i>New section added;</i></b>
8.8		<b>Current tap with shelf</b>
		A current tap with a shelf intended to accommodate a product (such as a cell phone) shall be provided with installation instructions that include the following:
8.8.1		a) Safety alert symbol,  , and b) Preceding the word "CAUTION" and the following or the equivalent: "This shelf (or compartment) is intended for use with a product weighing not more than 450 grams (approx.16 oz) and having dimensions that will permit even position on this shelf. (See instructions.) Use with other products may result in instability causing possible injury", and c) Preceding the word "WARNING" and the following or the equivalent: "This current tap with a shelf (or compartment) shall be secured to a receptacle located at a height out of the reach by children".
8.8.2		A current tap with a shelf shall be provided with detailed installation instructions to enable proper installation of the device to a receptacle. The installation instructions shall include the word "CAUTION" and the following or the equivalent: "Risk of Electric Shock. Must connect mechanical means of securement (mounting screw) to receptacle."



CLAUSE	VERDICT	COMMENT
		<b><i>New section added;</i></b>
17E		<b>Current Tap with Shelf</b>
17E.1		The plug portion of the device shall be of the grounding-type, rated 15- or 20-amperes, 125- or 250-volts and of the ANSI/NEMA WD6: 5-15P, 6-15P, 5-20P, or 6-20P configuration only.
17E.2		The device shall be provided with a mechanical means (i.e. mounting hole and assembly screw) for securement to a mating duplex receptacle.
17E.3		The shelf portion of the device shall have dimensions not greater than 100 mm (4 inch) wide by 38 mm (1.5 inch) deep measured from the rear of the device when inserted into a mating receptacle as intended.
17E.4		A current tap with a shelf shall comply with the Loading test as described in Section 46.
17E.5		A current tap with a shelf that is intended for installation where the receptacle cover plate is removed shall comply with wall plate dimensional specifications identified in ANSI/NEMA WD6. Additionally, the insulating material of the current tap forming the cover plate shall also comply with the insulating material requirements for non-metallic cover plates, UL 514D, paragraphs 7.2 through 7.6 6 (Relative thermal index, Resistance to Ignition, Dielectric, Flame Penetration, Flammability for cover plates respectively).
		<b><i>New section added;</i></b>
46		<b>Loading Test</b>
46.1		A current tap with a shelf shall be capable of withstanding an applied force of 1800 grams (approx. 4 lbf), for 2 minutes.
46.2		During the applied force, there shall be no separation between the plug blades of the current tap and the flush receptacle capable of being contacted by a 0.8 mm (1/32 inch) rod. Upon removal of the applied force, the device shall be unplugged from the duplex receptacle. There shall be no cracking, breakage or other damage to the duplex receptacle.
46.3		The device is to be plugged into a grounding-type duplex receptacle of the mating configuration as intended, except the securement means of the device (i. e. assembly hole and mounting screw) to the duplex receptacle shall be omitted.
46.4		Three of the six duplex receptacles shall employ a “wrap-around” mounting yoke design. The other three duplex receptacles shall employ a “feed-through” mounting yoke design. See Figure 46.1 for receptacle mounting yoke construction.
Figure 46.1		<i>See standard for details.</i>
46.5		The duplex receptacle shall be mounted in a metallic flush outlet box installed in a simulated wall shown in Figure 46.2 with the ground contact in the down position. A metallic cover plate shall be installed to complete the assembly. If the installation instructions require the user to remove and not use the cover plate during installation, the cover plate may be omitted.



CLAUSE	VERDICT	COMMENT
46.6		Each of the six devices under test shall be inserted into the receptacle outlet with the shelf positioned on top of the receptacle and in a horizontal position. If the shelf portion is not positioned either on top and in a horizontal position, the duplex receptacle may be re-positioned in the outlet box until the shelf is positioned to the top and horizontal orientation.
Figure 46.2		<b>Loading Test Fixture</b> <i>See standard for details.</i>