



UL 498F

STANDARD FOR SAFETY

Plugs, Socket-Outlets and Couplers
with Arcuate (Locking Type) Contacts

UL Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts, UL 498F

First Edition, Dated July 29, 2020

SUMMARY OF TOPICS

This revision of ANSI/UL 498F dated September 21, 2021 includes a revision to the Spring Action Terminals requirements; [12.6.1](#), [12.6.4](#), [19.3.2](#), Section [23A](#), [Table 34.1](#), [Table 34.3](#), Section [49A](#), Section [62A](#), [Table 89.1](#), [Table 89.3](#)

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The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated July 16, 2021.

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UL 498F

Standard for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts

First Edition

July 29, 2020

This ANSI/UL Standard for Safety consists of the First Edition including revisions through September 21, 2021.

The most recent designation of ANSI/UL 498F as an American National Standard (ANSI) occurred on September 20, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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ANNEX A (NORMATIVE) Wiring Device Configurations

INTRODUCTION

1 Scope

1.1 These requirements cover plugs, socket outlets (receptacles), couplers, cord connectors, and inlets, with arcuate contacts (locking-type configurations), rated 20 or 30 A grounding type only. All intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70.

1.2 These requirements do not cover plugs, socket outlets (receptacles), couplers, cord connectors, and inlets with arcuate contacts (locking-type configurations) rated 20 and 30 A non-grounding type, or devices rated 15, 50 or 60 A grounding or non-grounding type, refer to UL 498D Standard.

1.3 These requirements do not cover devices rated at more than 200 A or for more than 600 V. See [6.1](#).

1.4 This Standard does not directly apply to, but supplements the following standards:

- a) Straight-blade attachment plugs, receptacles, cord connectors, and inlets, covered by the Standard for Attachment Plugs and Receptacles, UL 498;
- b) Attachment plugs, receptacles, cord connectors, and inlets with arcuate contacts (locking-type configurations) – Enclosure Types for Environmental Protection, UL 498E;
- c) Inlets with arcuate contacts (locking-type configurations) – Marine Shore Power Inlets, UL 498M;
- d) Devices produced integrally with flexible cord or cable, covered by the Standard for Cord Sets and Power-Supply Cords, UL 817;
- e) Current taps and adapters not provided with wiring terminals for flexible cord covered by the Standard for Current Taps and Adapters, UL 498A;
- f) Devices employing male or female screwshells, covered by the Standard for Lampholders, UL 496;
- g) Devices solely intended for direct connection to the branch circuit in accordance with the National Electrical Code, ANSI/NFPA 70, that are provided with contacts of the pin and sleeve type, covered by the Standard for Plugs, Receptacles and Cable Connectors of the Pin-and-Sleeve Type, UL 1682;
- h) Single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment, covered by the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications, UL 1977;
- i) Devices intended for installation and use in hazardous (classified) locations in accordance with the National Electrical Code, ANSI/NFPA 70, covered by the Standard for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, UL 1203;
- j) Devices intended for use with telecommunications networks, covered by the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Communications Circuit Accessories, UL 1863;
- k) Devices incorporating ground-fault circuit interruption circuitry, covered by the Standard for Ground-Fault Circuit Interrupters, UL 943;
- l) Single- or two-outlet direct plug-in devices incorporating transient voltage surge suppression circuitry, covered by the Standard for Surge Protective Devices, UL 1449;