STANDARDS UPDATE NOTICE (SUN)
ISSUED: December 9, 2025

STANDARD INFORMATION

Standard: UL 1283
Standard ID: Electromagnetic Interference Filters [UL 1283:2025 Ed.8]
Previous Standard ID: Electromagnetic Interference Filters [UL 1283:2017 Ed.7+R:22Feb2024]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 13, 2027**

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. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Requirements for open-type facility filters. Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
1	Info	**Scope**
1.1		These requirements cover enclosed and open-type electromagnetic interference (EMI) filters installed on, or connected to, 1,000 V or lower potential circuits, 50 – 60 Hz, or up to 1,500 Vdc, and installed in accordance with the National Electrical Code, NFPA 70.
1.3		These requirements cover open-type or enclosed facility filters, cord-connected filters, and direct plug-in filters.
5	Info	**Glossary**
5.5	Info	***New clause added;*** OPEN-TYPE FACILITY FILTER - A filter with an incomplete or partial enclosure and with field-wiring terminals and/or leads suitable for field installation in accordance with the National Electrical Code, NFPA 70, within a suitable enclosure.
	Info	**CONSTRUCTION**
6	Info	**General**
6.2		***New clause added;*** Unless specified otherwise, an open-type facility filter shall comply with the applicable requirements for facility filter types as specified in this Standard.
7	Info	**Frame and Enclosure**
7.4		***New section added;*** **Open-type facility filters**
7.4.1		Any part of an open-type facility filter intended to be installed through an opening in or as part of an enclosure shall comply with the enclosure requirements for an EMI filter.
21	Info	**Spacings**
21.5		***New clause added;*** For an open-type facility filter, the spacings between live parts and metal parts that may be grounded, such as the heads of mounting screws that pass through an insulating panel, shall be evaluated as if they were grounded parts within an enclosure. The spacing between uninsulated live parts and the surface on which the device may be mounted shall be evaluated as if the mounting surface were part of an enclosure.

CLAUSE	VERDICT	COMMENT
26	Info	**Temperature Test**
26.3	Info	**Test description**
26.3.12		***New clause added;*** Open-type facility filters, subjected to the Temperature Test, shall be mounted in an enclosure considered representative of the intended use. The testing enclosure dimensions are to be determined according to the following: a) 150 % of the dimensions of the device – that is, length, width, and height; b) Minimum dimensions needed to meet the wire-bending space specified in UL 508, in the table for Wire Bending Space at the Terminals of Enclosed Motor Controllers; c) The intended enclosure; or d) The intended enclosure, which may be larger than indicated in (a) – (c) provided the enclosure size is marked on the device, detailed in the installation instructions or provided on a separate stuffer sheet (see 43.14)
38	Info	**Withstand Test**
38.1		When tested under the conditions described in 38.2 – 38.10, a facility filter marked for use at service entrances in accordance with 43.12 shall withstand the designated current levels until the overcurrent protective device or devices open and: a) The fuse mentioned in 38.11 shall not open; b) There shall be no breakage to the extent that the integrity of the mounting of live parts is impaired; and c) There shall be no ignition of cheesecloth, arranged as described in of 31.2(b). d) There shall be no creation of any openings in the enclosure that results in accessibility of live parts, when evaluated in accordance with Section 18, Accessibility of Live Parts. For an open-type facility filter only, this applies to parts intended to be installed through an opening in or as part of an enclosure.
	Info	**MARKINGS**
43	Info	**Details**
43.14		***New clause added;*** An open-type facility filter shall be marked with the minimum size enclosure as determined in 26.3.12. Exception: This marking may be provided on a separate sheet or in the installation instructions when there is not sufficient room on the device for the marking.
43.15		An open-type facility filter shall be marked with the following or equivalent: "Installation within an enclosure required. See installation instructions".

CLAUSE	VERDICT	COMMENT
	Info	**INSTRUCTIONS**
44	Info	**Installation Instructions**
44.2		***New clause added;*** For an open-type facility filter, instructions shall specify that the filter is intended for installation within a suitable enclosure in accordance with the National Electrical Code, NFPA 70.