UL 1008

STANDARD FOR SAFETY

Transfer Switch Equipment

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UL Standard for Safety for Transfer Switch Equipment, UL 1008

Ninth Edition, Dated July 13, 2022

Summary of Topics

This revision of ANSI/UL 1008 dated August 25, 2026 includes the following changes:

– Bypass/isolation switches provided as removable elements; 3.7A, 3.8A – 3.8C, 3.13, D1.4, D3.1, D3.2, Table D3.1, Section D4, Section D12A, Section D12B.

– Floor Mounted Transfer Switches; 5.2.1.38 and 6.5.32.

– Requirements for equipment grounding terminals; Table 14A, 5.2.1.39, Figure 5.1, 5.2.6.1.8, 6.13.1.10 – 6.13.1.12, 6.15.4 – 6.15.6, Section 9.19, and Table 14A.

– Transfer equipment with multiple outlets; 5.2.7.14.

– Correcting references in 6.3.2.5 and M6.2.2.5.

– Correction to references in 6.3.2.7 and M6.2.2.7.

– Closed transition automatic transfer switches; 7.1.10.

– Mechanical Interlocking Testing; 7.1.20, 7.1.22, Section 9.18, D2.2, D4.2, and G6.2.

– Restricted Access Definition and Application to 7.1.17; 3.8C

– Temperature rise requirements for polymeric materials in support of live parts; 9.8.1, 9.8.9A, 9.8.11, and Table 16.

– DC testing of equipment; 9.9.4 and M8.8.4.

– Use of separate main devices; 9.13.3.10.

– Relocation of closing test; 9.13.2 (revised and relocated)

– Integrity of Mounting of Live Parts; 9.13.3.4

– Deformed doors and covers after short-circuit testing; 9.13.3.4

– Neutral Switching; 9.13.3.33, 9.13.3.36, and Annex O

– Bypass isolation transfer switches; D1.1, D1.3 – D1.6, D2.5, D2.7 – D2.12, D3.3, D3.4, Table D3.1, D4.3, D5.1 – D5.4, D7.1 – D7.2, D9.1, D10.1, D11.1 – D11.3, D14.2A, and D14.2B.

– Transfer switches for fire pump service; E2.3, E2.18, E3.1, Section E4.5

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The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated October 10, 2025 and May 15, 2026.

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PREFACE

This is the harmonized CSA Group and ULSE standard for Transfer Switch Equipment. It is the fourth edition of CSA C22.2 No. 178.1 and the ninth edition of UL 1008. This edition of CSA C22.2 No. 178.1 supersedes the previous edition published on December 22, 2014 and revised on September 24, 2018. This edition of UL 1008 supersedes the previous edition published on December 22, 2014 and revised on September 24, 2018. This harmonized standard has been jointly revised on August 25, 2026. For this purpose, CSA Group and ULSE are issuing revision pages dated August 25, 2026.

This harmonized standard was prepared by CSA Group and ULSE Inc. (ULSE). The efforts and support of the Technical Harmonization Subcommittee for Transfer Switches and the Council of the Harmonization of Electrotechnical Standards for the Nations of the Americas (CANENA), are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

While ANCE continues to participate in the technical development of this trinational standard, the ANCE logo has been removed from the title page as standards cannot be formally published in Mexico at this time.

This standard was reviewed by the CSA Subcommittee on Automatic Transfer Switches, under the jurisdiction of the CSA Technical Committee on Industrial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of harmonization

This standard uses the IEC format, but is not based on, nor is it to be considered equivalent to, an IEC standard.

This standard is published as an equivalent standard for CSA Group and ULSE.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

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Reasons for differences from IEC

There is no corresponding IEC standard.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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TRANSFER SWITCH EQUIPMENT

1 Scope

1.1 This standard applies to the following types of transfer switches that have a maximum rating of 1000 volts for use in non-hazardous locations, in accordance with Annex A1, Item 1:

a) Automatic transfer switches;

b) Manual or non-automatic transfer switches;

c) Closed transition transfer switches;

d) Hybrid transfer switches;

e) Transfer switches for fire pumps;

f) Bypass/isolating switches;

g) Softload transfer switches;

h) Transfer switches intended for use as service equipment;

i) Transfer switches intended for use in mobile/portable applications such as recreational vehicles, motor homes, camping trailers, and mobile health care facilities;

j) Inlet assemblies for transfer switch equipment;

k) Arc resistant transfer switch equipment;

l) Cord connected transfer switch equipment;

m) Combination meter/transfer equipment assemblies; and

n) In Mexico and the United States, branch circuit emergency lighting transfer switches (BCELTS).

In Canada, the requirements for BCELTS do not apply.

1.2 This standard specifically does not apply to:

a) Double-throw switches for use in optional standby systems;

b) Switches used in equipment manufactured in accordance with Annex A1, Item 9;

c) In Canada, manually operated generator transfer panels in accordance with Annex A1, Item 12.

d) Transfer switches rated over 1000 V;

e) Solid-state (static) transfer equipment;

f) Transfer switches for aircraft; and

g) Transfer switches for water craft.

1.3 These requirements apply to transfer switches and their associated control devices including voltage sensing relays, frequency sensing relays, time-delay relays, and the like.

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