



UL 845

STANDARD FOR SAFETY

Motor Control Centers

UL Standard for Safety for Motor Control Centers, UL 845

Sixth Edition, Dated June 28, 2021

SUMMARY OF TOPICS

This new Sixth Edition of ANSI/UL 845 dated June 28, 2021 includes revised requirements for Temperature Terminations.

The requirements are substantially in accordance with Proposal(s) on this subject dated August 28, 2020 and January 29, 2021.

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NMX-J-353-ANCE-2021
Third Edition



CSA Group
CSA C22.2 No. 254:21
Second Edition



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Sixth Edition

Motor Control Centers

June 28, 2021



ANSI/UL 845-2021



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This ANSI/UL Standard for Safety consists of the Sixth Edition. The most recent designation of ANSI/UL 845 as an American National Standard (ANSI) occurred on June 28, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

The Department of Defense (DoD) has adopted UL 845 on April 20, 1993. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

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Preface

This is the harmonized ANCE, CSA Group, and UL standard for Motor Control Centers. It is the third edition of NMX-J-353-ANCE, the second edition of CSA C22.2 No. 254, and the sixth edition of UL 845. This edition of NMX-J-353-ANCE/CSA C22.2 No. 254/UL 845 supersedes the previous edition published on August 31, 2005.

This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), the CSA Group, and Underwriters Laboratories Inc. (UL). The efforts and support of the Technical Harmonization Subcommittee 17D – Motor Control Centers on the Harmonization of Electrotechnical Standards of 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.

The present Mexican Standard was developed by the CT CDI Control y Distribucion Industrial from the Comite de Normalizacion de la Asociacion de Normalizacion y Certificacion, A.C., CONANCE, with the collaboration of the motor control centers manufactures and users.

This standard was reviewed by the CSA Integrated Committee on Industrial Control, 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 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 is published as an identical standard for ANCE, CSA Group, and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

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.