# UL 61800-5-2

## STANDARD FOR SAFETY

Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional

UL Standard for Safety for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional, UL 61800-5-2

First Edition, Dated August 28, 2012

***Summary of Topics***

***This revision of ANSI/UL 61800-5-2 dated December 15, 2020 includes the removal of references to UL 508C; 1DV.3.1 and Annex 101.DVB***

***Please note that the national difference document incorporates all of the U.S. national differences for UL 61800-5-2.***

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal (s) on this subject dated November 3, 2020.

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**ANSI/UL 61800-5-2-2020**



# UL 61800-5-2

## Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-2:

## Safety Requirements – Functional

**First Edition**

**August 28, 2012**

This ANSI/UL Standard for Safety consists of the First Edition including revisions through December 15, 2020.

The most recent designation of ANSI/UL 61800-5-2 as an American National Standard (ANSI) occurred on November 3, 2020. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

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 B (informative) Example for determination of *PFH***



**Annex C (informative) Available failure rate databases**



**Annex D (informative) Fault lists and fault exclusions**



**Annex 101.DVA – Normative References and Component Standards (normative)**



**Annex 101.DVB – IEC to U.S. Standard references (normative)**



**Bibliography**

# Preface (UL)

This UL Standard is based on IEC Publication 61800-5-2, first edition (published July 2007), Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional. IEC publication 61800-5-2 is copyrighted by the IEC.



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.

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