

Accelerate Global Efficiency in your Adjustable Speed Motor Drive Certifications.

Gain global market acceptance while reducing product development time and cost.

The safety standard used for adjustable speed electrical power drive systems has changed from UL 508C to UL 61800-5-1. With combined testing of drives, UL can speed up your time to market by bundling certifications for UL, CSA and IEC standards through a single trusted certification body. This streamlined and accelerated process saves time and money through a well-proven global certification program.

In collaboration with key industry stakeholders, UL has helped to change the safety standard used for adjustable speed electrical power drive systems from UL 508C (Standard for Power Conversion Equipment), to UL 61800-5-1 (Adjustable Speed, Electrical Power Drive Systems).

Global Certification with One Test

The alignment of requirements will allow you one investigation that provides certification to UL 61800-5-1, CSA C22.2 No 274 and a CB Certificate to IEC 61800-5-1, helping you reduce costs and time to market.

One Trusted Source for Global Access

Europe/International

- CB Certificate and IEC Test Report to IEC 61800-5-1
- Type Test Certificate and Technical Document File, or UL-EU Mark to be used for CE Marking to EN 61800-5-1
- EMC Testing Services, e.g., IEC 61800-3
- Functional Safety Mark according to applicable standards, e.g., IEC 61800-5-2
- Global market access services for specific markets, e.g., China, Russia, India and Brazil
- Laboratory services for any unique testing needs
- IEC 60529 IP Code testing services, type examination certificate and UL Classified Mark
- ATEX and IECEx certificates

North America

- UL Certification Mark for the United States according to UL 61800-5-1
- UL Certification Mark for Canada according to CSA C22.2 No 274
- UL Functional Safety Mark according to applicable standards, e.g., UL 61800-5-2
- UL Certification Mark for the United States according to UL 347A for medium voltage drives
- EMC testing services, e.g., IEC 61800-3

- Hazardous Locations Certification Mark referenced in Equipment for Use in and Relating to Class I, II and III, Division 1 and 2 Hazardous Locations
- UL 50/UL 50E Type rating enclosure testing



UL is committed to helping customers bring their product to the global market quickly, easily and efficiently. Contact UL today for a review of your product's readiness to comply with the new UL/IEC/EN 61800-5-1. We can develop a compliance strategy to help ensure your product's global acceptance.

Why choose UL?

UL drives global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. UL's global network of technical experts and state-of-the-art facilities, along with our longstanding relationships with regulatory authorities, partner laboratories and industry technical leaders, helps manufacturers gain the compliance credentials they need to compete in a more complex global supply chain.

Knowledge You Can Trust

– our experienced staff will advise you from the initial design stage of product development through testing and production. Our experts can assist you in understanding the certification requirements for your specific markets.

Speed and Efficiency

– our cost-effective systems and state-of-the-art facilities cut through the red tape and help accelerate your time to market.

Single Source Provider

– UL meets all of your compliance needs and, by bundling safety, performance and interoperability services, also helps save you valuable time and money.

Global Reach and Access

– our global network of expert engineers helps you understand the various national and global requirements for your specific market application, including comprehensive testing and certification. Learn more at gma.ul.com.

Advisory and Training

– UL offers advisory and training services such as seminars to address questions regarding the transition to new standards; Data Acceptance Program that utilizes customer or third-party facilities for product testing; Modular Certification Approach for product evaluation and testing; tools to support your certification efforts, such as the Clearance and Creepage Distances Tool for compliance with IEC/UL 61800-5-1 and CSA C22.2 No. 274; and much more.

For more information, please contact our local sales team or visit UL.com.



Empowering Trust™

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