



# Expand Market Potential for Connectors

Understanding connector certification levels is the roadmap to new opportunities

*The certifications allowed by UL 1977, UL Subject 2237 and UL 2238 provide an increase in available connector options.*

Delivering the right connector solution for products and systems can mean success for you and your customers by expanding the available connector options through certification. The options provide additional end product value by streamlining the certification process, providing cost effective solutions and reducing time to market. There are now connector certification solutions for both the U.S. market as well as global options that can be your roadmap to open up new opportunities and markets.



## Connector Certification

Guide to help choose the correct connector category:

	UL 1977	UL 2238	UL Subject 2237
Connector Types	Single and multipole	Single and multipole	Single and multipole
Assembly Location	Factory	Factory or Field	Factory or Field
Connection Types	Copper conductors or PWBs	Copper conductors or PWBs	Copper conductors or PWBs
Applications	Data, signal, control, power	Data, signal, control, power NFPA 70, Article 725	Data, signal, control, power NFPA 70, Article 725 NFPA 79
Industries	OEM use only	Commercial Industrial	Commercial Industrial
Maximum Ratings	600 V ac/dc 1000 A 6000 V (up to 31 A)	600 V ac/dc 60 A	1000 V ac/dc No current limit
Current Interruption Option	Optional	No	Optional
Short-Circuit Current Rating (SCCR)	Optional	Optional	Required 5 kA minimum
Environmental Ratings	Optional when enclosure is provided	UL 50E (optional) (i.e. 3R, 4X, 6P, 12)	UL 50E (optional) (i.e. 3R, 4X, 6P, 12)
Mark Options	Recognition	Recognition Listing	Recognition Listing

For more information, call 1-877-UL-HELPS, e-mail: [ULHELPS@UL.com](mailto:ULHELPS@UL.com) or visit [www.UL.com](http://www.UL.com)



## Combined Testing for Global Market Access

Bundling services can save connector manufacturers time and money when accessing global markets.

	Canada	EU, China, Brazil, India, Russia
Standard	CSA C22.2 No. 182.3-16	IEC 61984:2008
Ratings Options	600 V ac/dc 1000 A 6000 V (up to 31 A)	50 to 1000 V ac/dc 125 A maximum

### 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 & 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 & Access** – our global network of expert engineers helps you understand the various national and global requirements for your specific market application.

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