

# Expand globally with UL certification services for low-voltage surge protective devices

## Global market access reduces time to market and costs with a trusted advisor

Gain global market acceptance while driving down product development time and costs for Low-Voltage Surge Protection Devices (SPDs).

Whether your product is being sold into the US, Canada, Europe or other international locations, UL can speed up your time to market by providing multiple certifications. We help to reduce overall testing, inspection and certification time and expense by leveraging global certification synergies. UL can assist in accelerating product development and acceptance from the earliest design phase.

## One trusted source for global access

**Global recognition** – The UL brand is known and trusted around the globe. UL is a leading force in the research and development of global regulatory standards for Low-Voltage Surge Protective Devices.

**Collaborative advantage** – UL offers knowledgeable assistance from the initial product design through testing, production and deployment. We are committed to finding solutions for your specific needs that increases the value, acceptance and marketability of your products worldwide.



**Bottom-line impact** – UL identifies harmonized requirements and gaps in the applicable international standards, developing a testing approach that expands your market presence while lowering your investment of time and money. Our worldwide network of accredited labs offers you bundled service packages as well as pre-certification testing.

## One certification process

With combined testing of surge protection devices, UL can simultaneously provide global market access solutions for the UL Mark in North America and CB Scheme Test Report and Certificate for markets outside of North America. One certification process allows you to profit from faster speed to a global marketplace. This streamlined and accelerated process helps save time and money through a well-proven global certification program.

For more information on global market access:






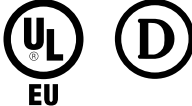
**[UL-certification.com](http://UL-certification.com)**

## Training

UL can help you navigate the complexities of international product safety and market access, especially regulatory compliance, performance testing and certification. Our dedicated training staff can help you to understand how to interpret and apply these requirements to your products. We offer custom on-site training sessions on these and many other standards. Let us come to you - maximize your training with UL private and custom workshops.

For more information on training:  
**[UL.com/knowledgesolutions](http://UL.com/knowledgesolutions)**



| UL Services                                     | Standard                          | SPD Product Types   | Mark <sup>3</sup>   | Market Access         |
|---|-----------------------------------|---|---|-----------------------|
| <b>UL Certification (Listing)</b>               | UL 1449                           | Types 1, 2, and 3   |  | US                    |
| <b>UL Certification (Recognition)</b>           |                                   | Types 1, 2, 3 and 4 Component Assemblies and Type 5 Component |  | US                    |
| <b>cUL Certification (Listing)</b>              | C22.2 No. 269-1                   | Type 1  |  | Canada                |
|   | CSA C22.2 No. 269-2               | Type 2  |   |                       |
|   | CSA C22.2 No. 269-3               | Type 3  |   |                       |
| <b>cUL Certification (Recognition)</b>          | CSA C22.2 No. 269-4               | Type 4 Component Assemblies                                   |  | Canada                |
|   | CSA C22.2 No. 269-5               | Type 5 Component  |   |                       |
| <b>UL Certification to IEC Publications</b>     | IEC 61643-11                      | Test classes I, II and III                                    |  | International         |
|   | IEC 61643-311                     | Gas Discharge Tubes   |   |                       |
|   | IEC 61643-321                     | Avalanche Breakdown Diodes (ABDs)                             |   |                       |
|   | IEC 61643-331                     | Metal Oxide Varistors (MOVs)                                  |   |                       |
| <b>CB Scheme Test Report and Certificate</b>    | IEC 61643-11                      | Test classes I, II and III                                    |   | International         |
| <b>UL EU and/or Demko "D" Marks</b>             | EN 61643-11                       | Types 1, 2 and 3  |  | Europe and/or Denmark |
|   | EN 61643-311                      | Gas Discharge Tubes   |   |                       |
|   | EN 61643-321                      | Avalanche Breakdown Diodes (ABDs)                             |   |                       |
|   | EN 61643-331                      | Metal Oxide Varistors (MOVs)                                  |   |                       |
| <b>Type Examination Certificate<sup>1</sup></b> | IEC 61643-11                      | Test classes I, II and III                                    |   | International         |
|   | IEC 61643-311                     | Gas Discharge Tubes   |   |                       |
|   | IEC 61643-321                     | Avalanche Breakdown Diodes (ABDs)                             |   |                       |
|   | IEC 61643-331                     | Metal Oxide Varistors (MOVs)                                  |   |                       |
| <b>Informative Test Report<sup>2</sup></b>      | IEC 61643-11 and/or EN 61643-11   | Test classes I, II and III Types 1, 2 and 3                   |   | International         |
|   | IEC 61643-311 and/or EN 61643-311 | Gas Discharge Tubes   |   |                       |
|   | IEC 61643-321 and/or EN 61643-321 | Avalanche Breakdown Diodes (ABDs)                             |   |                       |
|   | IEC 61643-331 and/or EN 61643-331 | Metal Oxide Varistors (MOVs)                                  |   |                       |

- Notes:
1. A Certificate & Test Report issued by UL, an Independent Third Party Certification Body, for a product evaluated and in compliance with the relevant IEC Product Standards.
  2. Test Report issued by UL, as an Independent Third Party Certification Body, for a product evaluated to the relevant IEC and/or EN Product Standards. Can be used in support of CE Marking.
  3. The UL Certification Mark can be a combination Mark for US and Canada and/or a country code.

For more information, contact your local representative,  
e-mail [ULHELPS@UL.com](mailto:ULHELPS@UL.com) or visit [UL.com](http://UL.com)



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