

# TechTopics No. 115

## Third-party listing/labeling and recognition

In TechTopics No. 100, the overall issue of third-party listing of products was discussed. This issue of TechTopics carries the discussion a bit further, and presents examples of UL LLC. marks that Siemens is authorized to apply to certain of our products.

Many of Siemens' products are available with UL listing or recognition, and UL authorizes the use of a variety of marks on products. Some customers can become confused when they see differing types of UL marks on different classes of products. This issue of TechTopics provides a bit of information about some of the UL marks that can appear on Siemens' products. A more comprehensive discussion of various UL marks is available at <http://ul.com/marks/ul-listing-and-classification-marks/appearance-and-significance/marks-for-north-america/>.

The most widely used UL mark on Siemens' products is the UL listing mark, as below. This signifies that the product is a final product and not simply a component and also that it has been investigated by UL for all normal applications of the product. The marking in Figure 1 is used on a UL-listed product for use in the U.S.

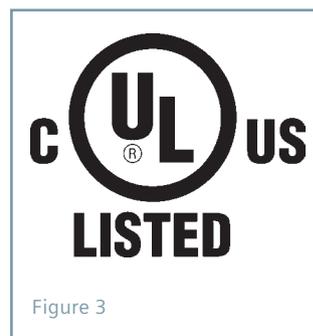


Figure 4



Figure 5

The same product, listed for use in Canada, would carry the mark shown in Figure 2. The addition of the "c" in the mark designates a product that has been investigated to the requirements for a normal (UL) listing, and in addition, certain specified requirements in Canada. In practice, a cUL listing is equivalent to a CSA listing in most provinces, as CSA Group and UL LLC. have a memorandum of understanding in which the two organizations mutually recognize the other organizations marks.

A variant of these marks is used on type GMSG circuit breakers, with both the C and the U.S. additions to indicate that the circuit breaker is both UL listed and cUL listed shown in Figure 3.

In each case, the mark would be supplemented as a minimum with the Siemens name and the UL file number (for example, E-141469 for medium-voltage type GM-SG switchgear). The user can search the UL website (<http://database.ul.com>) for this file number and obtain general guide information as to the meaning of the listing and the overall requirements of the product.

For example, the file information for Siemens type GM-SG metal-clad switchgear can be reached by entering “E141469” in the UL File Number search box at the UL website, which would return the following information in Table 1:

Search results		
You may choose to <a href="#">Refine Your Search</a> .		
Company Name	Category Name	Link to File
SIEMENS INDUSTRY INC	Circuit Breakers and Metal-clad Switchgear Over 1000 Volts	<a href="#">DLAH.E141469</a>
SIEMENS INDUSTRY INC	Circuit Breakers and Metal-clad Switchgear Over 1000 Volts - Component	<a href="#">DLAH2.E141469</a>
SIEMENS INDUSTRY INC	Circuit Breakers and Metal-clad Switchgear Over 750 Volts Certified for Canada	<a href="#">DLAH7.E141469</a>
SIEMENS INDUSTRY INC	Circuit Breakers and Metal-clad Switchgear Over 750 Volts Certified for Canada - Component	<a href="#">DLAH8.E141469</a>

Table 1

In turn, clicking on the link for DLAH.E141469 leads to the listing of relevant product information in the UL file, along with another link for general guide information associated with the product family. This general guide information gives information on the standards used to investigate the products.

Another marking authorized by UL is a recognition mark, of which there are two variants loosely corresponding to the basic listing marks. The UL recognition program is appropriate for component parts or sub-assemblies that are part of a larger product or system. The component recognition program may contain restrictions on the use of the component, as it is a component and not the complete system. For this reason, a supplier using recognized components generally must comply with additional requirements to assure that the component is used in the overall assembly in compliance with the requirements of the recognition.

Typically, the recognition mark is used on products that are intended to be components of a larger assembly, which is designed and manufactured by another firm, usually an Original Equipment Manufacturer. While Siemens’ circuit breakers are UL listed, when Siemens furnishes component parts, such as a circuit breaker drawout cell or a skeleton unit or a cell parts kit, these items are part of a UL recognized component product.

The marking in Figure 4 is used on a component that is UL recognized for use in the U.S.

The equivalent mark for a UL recognized component for use in Canada follows. As for the UL listing mark, the addition of the “C” in the mark designates a component that has been investigated to additional requirements applicable to Canada in Figure 5.

The information in the UL website relating to component recognition is available at the same website cited earlier, by clicking on the relevant link for components, either DLAH2.E141469 for UL recognition of components for use in the US, or DLAH8.E141469 for cUL recognition for components for use in Canada.

The UL file E141469 used in the examples applies to type GM-SG and type GM38 metal-clad switchgear. For other products, such as SIMOVAC medium-voltage controllers, differing file numbers apply.

Note that not every product can be UL (or cUL) listed or recognized and have the appropriate UL mark applied. An example is a utility revenue metering section in a lineup of switchgear. These sections are normally custom engineered to the detailed requirements of the utility and since the construction is normally not identical to that used in the product that is listed, UL does not allow a listing mark on those sections. In such a case, all of the sections in the lineup would normally carry the UL mark, except the section that cannot be listed in accordance with UL restrictions. Other examples of sections that cannot be UL listed/labeled are sections with a configuration that has not been investigated by UL for listing or recognition or a section containing non-listed (or non-recognized) components that are not specifically identified in the corresponding product UL file.

What is the significance to the user of when specifying a product that uses UL listed components and one that uses UL recognized components? There is no significance for the user, assuming that the product that the component is installed in is a UL listed assembly. For the equipment manufacturer, the difference is that the manufacturer can use any UL listed component within the component’s listing parameters (such as ratings) without additional paperwork activities with UL. However, for UL recognized components, the manufacturer can use any component bearing the recognition mark within the component’s recognition parameters (such as ratings) but must have the component specifically added to the UL product procedure, an extra cost to the manufacturer but not an issue for the user of the end product.

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