

Overseas Standards

UL



(RECOGNIZED MARK)

1) UL Standards

UL (Underwriters' Laboratories, Inc.) is a private testing institution established in 1894 under the sponsorship of National Bureau of Fire Underwriters (NBFU). The institution executes scientific surveys, research, and experiments concerning human life, fire, and other disasters; formulates safety standards to prevent losses caused by such disasters; and certifies the standards. In the United States, the government does not require the acquisition of the approval of this standard, but some states and cities require the acquisition by ordinances. The UL Standard is registered as one of the national standards and, for equipment to be exported, the use of UL-approved products is normal.

2) UL-approved Product

The  mark is indicated on the side of the switch body. Even if the product is UL-approved, it is not identified as the UL-approved product unless the  mark is indicated.

3) Method for placing order for UL-approved product

Even if the product is UL-approved, the product is not stocked with the  mark indicated. When placing an order, be sure to specify "With  Mark." For products with the mark, extra costs will be added (excluding A, LP, SLE6, SL10, SLE10, SLE210 Series products).

4) There are two methods where UL certification is necessary for the switch that is not listed in the List of UL-Approved Products.

① The case where we newly applies for UL certification

Contact us for details. We will inform you of the application fee, the number of lots, delivery date, etc.

② The case where the set manufacturer applies for UL certification as an assembled set

When the manufacturer contacts us, we will work together regarding the material certification. Since we may have changed the design for the reason of improving the quality, be sure to contact us in advance to prevent unexpected problems.

CSA



(CSA monogram)

1) CSA Standards

The CSA Standards are national standards of Canada, and the Canadian Standard Association was established in 1919. The CSA Standards are discretionary, but they are sometimes applied subject to federal or state laws. The standards attach weight to the safety standards for electrical shock hazards and fire concerning electrical wiring, etc.

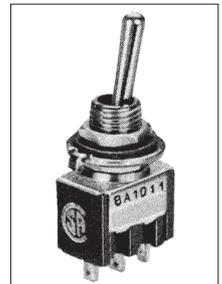
2) CSA-approved Product

The CSA mark is indicated on the side of the switch body. Even if the product is CSA-approved, it is not identified as a CSA-approved product unless the mark is indicated.

3) Method for placing order for CSA-approved product

Even if the product is CSA-approved, the product is not stocked with the  mark indicated. When placing an order, be sure to specify "With CSA Mark." For the products with the  mark, extra costs will be added (excluding LP, SLE6, SL10, SLE10 Series products).

4) For the CSA-approved products, contact the salespersons.



C-UL



●C-UL Standards

UL is certified as the safety certification institution and the testing institution for Canada by the Standards Council of Canada. According to the certification, the UL-certification institution is able to implement tests that conform to the Canadian Standards (CSA Standards) and the institution can certify the indication of the UL Mark for Canada ( Mark).

The product that carries the  mark can be marketed in Canada.

<PSE>



●Electrical Appliances and Material Safety Act

It is required by the Ministry Ordinance of Ministry of Economy, Trade and Industry to implement the conformance test for conformance to technical standards by restricting manufacturing and marketing of electrical appliances in Japan, thereby preventing risk and failure. The  mark is indicated on the electrical appliances that passed the conformance test. **The Electrical Appliances and Material Safety Act** is the successor to **the Electrical Appliances and Material Control Act** and was signed into law on April 1, 2001.

C - US UL



● **C - US UL Standards**

The C - US UL Standards mean that **UL** tests products regarding the UL Standards and the Canadian **CSA** Standards and indicates the **cULUS** mark on the electrical products that cleared the two standards.

The product carrying the **cULUS** mark can be marketed in both the United States and Canada,

SEMKO



● **SEMKO**

The **SEMKO** mark is indicated on the product that is certified by **ITS/ETL SEMKO**.

VDE



● **VDE Standards**

The **VDE** Standards stands for **Verband Deutscher Elektrotechniker e.v. (Association of German Electrical Engineers)**/ The association is a private institution based on **the Confederation of German Electrical Engineers** established in 1893. They have their unique **VDE** Standards to implement testing and screening.

For the products that carry the  mark, extra costs will be added (excluding **SLE6, SLE10, SL10K and SLE10K**).

TÜV



● **TÜV Standards**

The **TÜV** Standards is the abbreviation of **Technischer Überwachungs-Verein e.v. (technical inspection association)**, which is the aggregate of 11 independent organizations and is a private inspection organization officially approved by the German government.

The predecessor is the Steam Boiler Inspection Association, which inspects boiler containers, and the association has been broadening their activities into the fields of electric appliances, machines, and automotive and nuclear power.

ENEC



● **Common Mark thru Europe**

The **ENEC** mark is the European certification mark that enables manufacturers to enter all **EU** member countries, EFTA (European Free Trade Area), and East European countries.

The mark shown above is an example of the certification mark Operating switches acquired. A certification authority identification number is attached to the license mark.14 means it is released by the Sweden **SEMKO**.
