

# COMMON FUSE PRODUCT SAFETY CERTIFICATION MARKINGS

Consumers and retailers want to feel confident that the products they purchase are safe. As brands become more interchangeable, and since the CE marking is self-declared and does not require independent testing, marks from impartial testing companies, such as the S Mark, become increasingly important since they convey the safety customers are looking for.

Evidence of these approvals are the certification marks found imprinted on the various products we sell. Here are some of the more common marks and what they signify.

### **UL Listed Mark**

The mark most familiar in the U.S., the UL Listed Mark is issued by Underwriters Laboratories. It signifies that a product has been tested by a Nationally Recognized Testing Laboratory (NRTL) and met the requirements of widely accepted product safety standards. For more information, visit <a href="www.UL.com">www.UL.com</a>. UL Listed products are also manufactured under the UL Follow-Up Services program, which means UL will periodically retest random samples from a manufacturer's inventory to ensure that the product continues to comply with standards and perform within accepted levels of operation.



# **UL Recognized Mark**

Products bearing this mark are generally components of a product that will later be tested as a whole to obtain a UL Listed Mark. Using UL Recognized components does not ensure an automatic UL listing, however. The complete final product must be tested as a unit. To learn more, visit <a href="https://www.ull.com">www.ull.com</a>.



# VDE (Verband der Elektrotechnik)

As a neutral and independent German organization, the <u>VDE Testing and Certification Institute</u> carries out the testing of electrotechnical products, components and systems, according to DIN VDE standards and harmonized European standards, and bestows the VDE certification mark which is recognized and respected worldwide as a guarantee of quality and safety.



# S Mark

The S Mark, exclusively provided by Intertek, is a symbol of electrical safety and evidence to your clients that Intertek has independently tested and certified your product's compliance to applicable European safety requirements.



#### **CCC** (China Compulsory Certificate)

The CCC certificate was introduced in 2002 and applies to low voltage goods imported in China as well as to products manufactured in China. A follow up in the manufacturing facility as for other major standards is operated in Europe and North Africa by VDE.



#### **CQC (China Quality Certificate)**

The CQC certificate is a voluntary product certification for products that do not require a CCC certificate. The CQC mark certification is proof of product quality. It streamlines the access of foreign products into the Chinese market.



#### **CE Mark and Declaration of Conformity**

CE Mark is required for any category of products listed in the Low Voltage European Directive and intended to be sold all over the European Union. Declaration of Conformity is the commitment of the manufacturer or of the importer of the product to having achieved the complete test program of the European standards declared in the document.



## **EAC (Eurasian Conformity Mark)**

EAC is a certification mark to indicate products that conform to all technical regulations of the Eurasian Customs Union.



# **CSA (Canadian Standards Association)**

CSA is a provider of certification and therefore a thorough product testing for various plumbing, mechanical, electrical and a plethora of other products. If a product has a CSA International certification mark, then it indicates that the product or service used, has undergone a thorough testing, pertaining to U.S. or Canadian standards. These standards are so high that markets all over the world believe a CSA certification mark to be the ultimate testament to the "tested OK" condition of the product in question.



#### **CSA – US (Canadian Standards Association)**

The CSA - US mark on your product means it has been tested against applicable North American standards requirements. CSA marks are found on a wide variety of North American products: electrical and electronic, gas-fired, personal protective equipment and many more.



# **RoHS Compliant**

RoHS is the acronym for Restriction of Hazardous Substances. RoHS, also known as Directive 2002/95/EC, originated in the European Union and restricts the use of specific hazardous materials found in electrical and electronic products.



#### wtF Mark

The wfF mark is often used in conjunction with an attempt to identify an unknown fuse.



**NATIONAL FUSE PRODUCTS** 

WWW.NATIONALFUSE.COM

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