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News Release

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Underwriters Laboratories Authorizes New Fuse and Fuse Holder Class CF

First classification with Listed 300kA fuse interrupting rating and 300kA fuse holder withstand rating.

St. Louis, MO, July 14, 2010 – Underwriters Laboratories (UL) officially established a new fuse and fuse holder class for the next generation of circuit protection. The new Class CF, UL File numbers E4273, Vols. 6 & 7, and standard 248-17 for the fuse and 4248-17 for the holder, provides the same electrical protection of a Class J, along with finger-safe construction and smaller dimensions than the Class J fuse standard. Currently only the Cooper Bussmann® Low-Peak® CUBEFuse® overcurrent protective system – both the fuse and fuse holder – meets the new Class CF standard.

The CUBEFuse system had been previously designated as “Special Purpose” Listed Class J. The new Class CF listing removes the "Special Purpose" category and its unique marking as well as removes confusion in the industry over whether the CUBEFuse can be used where a “Listed” fuse is required.

The new Class CF is the first class with Peak Current Let-Through Curves in the standard. These curves cover the range of currents from 25kA to 300kA, and allow users to pick any available current they want. This same concept is working its way through the standards process for Class J, L and RK1.

Cooper Bussmann, industry leader in critical circuit protection, power management and electrical safety, designed the dual element, time-delay Low-Peak CUBEFuse system as the first finger-safe power fuse and fuse holder package. The current-limiting performance of a properly sized CUBEFuse unit offers Type 2 (IEC 947-4-1) “No Damage” coordinated motor starter protection. And, as the smallest footprint of any class fuse including Class J, CC, T and RK, the CUBEFuse provides substantial space savings and installation flexibility. The ampacity rejecting CUBEFuse holder offers DIN rail or panel mounting, and is available in single-pole 30A, 60A and 100A versions that dovetail together to form the required number of poles. These holders are so compact that a 3-pole, 100A CUBEFuse holder (TCFH100N) occupies approximately 1/3 the space of a standard 100A Class J fuse block. The fuse is also available

with easyID™ indication; the indicating version (TCF) is available from 6A to 100A while the non-indicating version (TCF__RN) is available from 1A through 100A. Both offer voltage ratings of 600Vac/300Vdc.

“Application of the CUBEFuse system has expanded exponentially in recent years with the introduction of the popular Cooper Bussmann Compact Circuit Protector (CCP) and the Compact Circuit Protector Base (CCPB) branch disconnects for our fusible Quik-Spec™ Coordination Panelboard (QSCP),” explained Ivo Jurek, division president.

The CUBEFuse device operates in conjunction with the UL 98 Listed CCP for use in industrial control panels. The CCP is available in 1-, 2- or 3-pole versions in ratings of 30A and 60A. Note the UL 98 does not yet have the new Class CF integrated into its standard for disconnecting devices. This is being updated.

Simplified selective coordination and increased workplace safety are key features of the QSCP, which utilizes CUBEFuse circuit protection in conjunction with an ampacity-rejecting CCPB UL 98 disconnect. This patented feature matches important standard branch circuit amp ratings to help prevent overfusing while maintaining optimum protection. The QSCP, which fits the same footprint as a conventional circuit breaker panelboard, is designed with a safety interlock feature to prevent removal of the fuse from the CCPB while energized. In addition, permanent lockout/tagout provisions make it easy to comply with OSHA safe work practices.

“We are proud that the outstanding electrical performance of our CUBEFuse overcurrent protective system has been recognized by industry as being in a class by itself,” said Jurek. “We earned five patents for the CUBEFuse design, and continue to expand our product offering and its application to meet the needs of our customers.”

For more information about the Cooper Bussmann Low-Peak CUBEFuse, visit www.cooperbussmann.com and search under the catalog number TCF. Visit the UL Online Certifications Directory for Class CF listings at www.cooperbussmann.com/ClassCF.

Editor’s Note: For additional information, contact Lauren Ban at (412) 394-6611 or lauren.ban@bm.com.

About Cooper Bussmann

Cooper Bussmann, the industry leader in critical circuit protection, power management and electrical safety, is a division of Cooper Industries (NYSE: CBE), and is headquartered in St. Louis, Missouri,

USA. The company is committed to the development, manufacturing and marketing of innovative circuit and power electronics protection and power management products; and provides engineering, training and testing services globally for the electrical, electronics and transportation industries. The company provides superior brands, including Cooper Bussmann® circuit protection products and services, Coiltronics® magnetics, and OMNEX Trusted Wireless® systems. Additional information about Cooper Bussmann is available online at www.cooperbussmann.com.

About Cooper Industries

Cooper Industries plc (NYSE: CBE) is a global manufacturer with 2009 revenues of \$5.1 billion, approximately eighty-nine percent of which are from electrical products. Founded in 1833, Cooper's sustained level of success is attributable to a constant focus on innovation, evolving business practices while maintaining the highest ethical standards, and meeting customer needs. The Company has eight operating divisions with leading market share positions and world-class products and brands including: Bussmann electrical and electronic fuses; Crouse-Hinds and CEAG explosion-proof electrical equipment; Halo and Metalux lighting fixtures; and Kyle and McGraw-Edison power systems products. With this broad range of products, Cooper is uniquely positioned for several long-term growth trends including the global infrastructure build-out, the need to improve the reliability and productivity of the electric grid, the demand for higher energy-efficient products and the need for improved electrical safety. In 2009, sixty-one percent of total sales were to customers in the industrial and utility end-markets and thirty-nine percent of total sales were to customers outside the United States. Cooper has manufacturing facilities in 23 countries as of 2009. For more information, visit the website at www.cooperindustries.com.

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