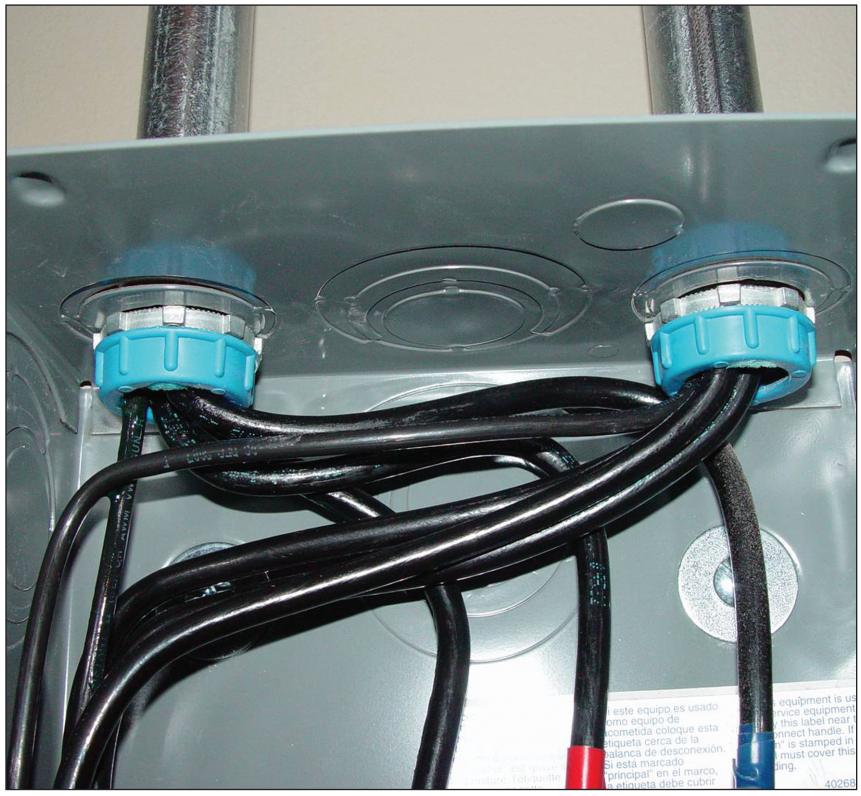
Is a CE Mark the Same as a NRTL mark?

Q Are concentric and eccentric knockouts on panelboards Listed for bonding at over 250-volts? How about on outlet boxes?

A No. Enclosures for panelboards as well as enclosed switches are evaluated using requirements in the UL Standard for Safety for Enclosures for Electrical Equipment, UL 50. Requirements in UL 50 do not include an evaluation of concentric and/or eccentric (also known as tangential) knockouts for bonding. UL did have requirements in place at one time, which detailed construction, and performance requirements for evaluating concentric and/or eccentric knockouts for this purpose. Subsequent to actions taken by the UL 50 Standards Technical Panel (STP) in 2005, these requirements were withdrawn.

It should be noted that there are enclosed switches in the field, which were manufactured prior to action taken by the UL 50 STP in 2005 that were investigated by UL and marked for this purpose. These enclosed switches were evaluated for the suitability of using the knockouts in the bonding path and continue to be Listed for this purpose. However, subsequent to the 2005 UL 50 effective date, newly manufactured enclosures evaluated using requirements in UL 50 are no longer permitted to be marked indicating the use of concentric and/or eccentric knockouts for bonding purposes.

Concentric and eccentric knockouts on all Listed metallic outlet boxes are Listed for bonding above and below 250 V. Metallic outlet boxes are Listed under the product category Metallic Outlet Boxes (QCIT), located on page 247 of the 2007 UL White Book. The Guide Information for QCIT states: All boxes with concentric or eccentric knockouts have been investigated for bonding and are suitable for bonding without any additional bonding means around concentric (or eccentric) knockouts where used in circuits above or below 250 V, and may be marked as such.



Q Is a CE Mark the same as a NRTL mark?

A No, a NRTL Mark is the certification mark of a nationally recognized test lab as accredited by the Occupational Health and Safety Administration (OSHA). You can determine which test labs are nationally recognized testing laboratories (NRTLs) as well as the scope of their accreditation (which standards they can certify to as a NRTL) by accessing www.osha.gov/dts/otpca/nrtl The UL Mark is the most well known and accepted NRTL Mark.

A CE Marking is a European marking of conformity that indicates that a product complies with the essential requirements of the applicable European Laws or Directives with respect to safety, health, environmental and consumer protection. Generally, this conformity to the applicable directives is done through self-declaration. The CE

Marking is required on products in the countries of the European Economic Area (EEA) to facilitate trade between the member countries. The manufacturer or its authorized representative established in the EEA is responsible for affixing the CE Marking to its product. The CE Marking provides a means for a manufacturer to demonstrate that its product complies with a common set of laws required by all of the countries in the EEA to allow free movement of trade within the EEA countries.

Unlike the UL Mark, or other NRTL marks, the CE Marking: 1) is not a safety certification mark, 2) is generally based on self-declaration rather than third party certification, and 3) does not demonstrate compliance to North American safety standards or installation codes. Please keep in mind that a product that bears a CE Marking may also bear a certification mark such as UL's Listing Mark, however, the CE Marking and the UL Mark have no association. The UL Mark indicates compliance with the applicable safety requirements in effect in North America and is evidence of UL certification, which is accepted by model North American installation codes such as the *National Electrical Code* and the *Canadian Electrical Code*.

The CE Marking on products is not a certification mark. AHJs should continue to look for the UL Mark on products in order to determine if a product complies with applicable safety requirements for North America.

For more information on the CE Mark and what it represents, please refer to the CE Marking Information section of the 2007 UL White Book on page 38, or online at UL's Regulators web site at: *http://www.ul.com/regulators/CEmarkinfo.cfm.*