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NEW STANDARD

First Edition of CAN/ULC-61472-14 (CEI/IEC 61472:2013, IDT)

LIVE WORKING – MINIMUM APPROACH DISTANCES FOR A.C. SYSTEMS IN THE VOLTAGE RANGE 72,5 KV TO 800 KV – A METHOD OF CALCULATION

ULC Standards is pleased to announce the publication of the First Edition of CAN/ULC-61472-14 (CEI/IEC 61472:2013, IDT), Live Working – Minimum Approach Distances For A.C. Systems In The Voltage Range 72,5 Kv To 800 Kv – A Method Of Calculation. This Standard has been approved by the ULC Standards Committee on Live Working (S400A) and has been published under the date of May 2014.

This identical adoption of the Third Edition of IEC 61472 is an update to the Second Edition and is the First Edition of CAN/ULC-61472. Updates include clarification of the scope, review of the definitions and review of the Annexes. Other updates to the Third Edition also include modification of calculations as well as introduction of new criteria and tables.

This International Standard describes a method for calculating the minimum approach distances for live working, at maximum voltages between 72,5 kV and 800 kV. This standard addresses system overvoltages and the working air distances or tool insulation between parts and/or workers at different electric potentials.

The required withstand voltage and minimum approach distances calculated by the method described in this standard are evaluated taking into consideration the following:

- workers are trained for, and skilled in, working in the live working zone;
- the anticipated overvoltages do not exceed the value selected for the determination of the required minimum approach distance;
- transient overvoltages are the determining overvoltages;
- tool insulation has no continuous film of moisture or measurable contamination present on the surface;
- no lightning is seen or heard within 10 km of the work site;
- allowance is made for the effect of conducting components of tools;
- the effect of altitude, insulators in the gap, etc, on the electric strength is taken into consideration.

For conditions other than the above, the evaluation of the minimum approach distances may require specific data, derived by other calculation or obtained from additional laboratory investigations on the actual situation.

If you require any additional information, please contact Alyson Hawkins at 613 755 2729 ext. 61437 or by email at Alyson.Hawkins@ul.com.

This Standard can be ordered for \$330.00 CAN (Hardcopy) or \$275.00 CAN (PDF) from the ULC Standards website at www.ulc.ca and select *ULC Standards*. Once on the ULC Standards homepage, select *Sales of ULC Standards Materials* for further details.

Yours truly,

ULC Standards



G. Rae Dulmage
Director, Standards Department