

UL 61010 replaces UL 508 for industrial power supplies



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The efforts in the United States to adopt international standards instead of insisting on national norms, is a very positive move. In regards to industrial power supplies, ANSI/UL 61010-1 and ANSI/UL 61010-2-201 have replaced the old UL 508 standard for industrial control equipment.



Approvals according to the old UL 508 remain valid, but are no longer listed as a possible option for conformity assessment in some UL categories. It is anticipated that sooner than later a change to the new standard will be required.

Although most power supplies are classified as Open Equipment in the context of ANSI/UL 61010-2-201, they are permitted to have a UL-Listing-Mark. Compared to the UL-Recognition-Mark, the UL-Listing-Mark has the advantage that no additional tests are required when changing to a different power supply model in an application.

As American and Canadian standards in the field of industrial applications have always been harmonised, it is not surprising that CAN/CSA-C22.2 No. 61010-1 and the CAN/CSA-C22.2 No. 61010-2-201 replace the old CAN/CSA-C22.2 No. 107 and No. 142 in Canada as well.

During a UL 61010 approval process, NEC Class 2 tests can also be taken into account and no additional UL 1310 approval is required. This is possible as Article 725.121 of the NEC Codebook of 2017 lists the UL 61010 as an option for evaluating a power source according to NEC Class 2.

Adopting international standards in the United States and Canada simplifies the process of a global product launch. Properly applied, this strategy avoids duplicated effort, leading to higher quality, lower costs and a much faster market launch.