January 22, 2019

CERTIFICATION REQUIREMENT CHANGES – ANNOUNCEMENT

A Revision/Edition has been published for 508, Industrial Control Equipment on 2018-03-30. These Certification Requirement Changes have an Effective Date of 2018-03-30, and may be applicable to your product(s).

Attached in Appendix A is a summary of the requirement changes.

The new/revised requirements impact your product type(s). However, UL has determined that currently certified products do not need to be re-evaluated at this time. However, if on or after the above Effective Date a currently certified product is revised such that the physical equipment design or function is changed the revised product may need to be evaluated to the new requirements. Any submittal of new products on or after the above Effective Date will be evaluated to the new requirements.

If you prefer to view the summary of requirement changes and Effective Date information online, you can visit our Industry File Review website at https://ifs.ul.com/ifr/ifr.nsf (do not include www in the URL). Using the search function, you may search by the Standard Number, Announcement Date, or Effective Date.

For general questions please contact your local office using our Worldwide Locations Directory http://www.ul.com/aboutul/locations/.

Should you have any technical questions about this announcement please contact Seth Carlton, Seth.J.Carlton@ul.com, +18476643843.

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Appendix A

SUMMARY OF REQUIREMENTS

FOR

THE STANDARD FOR INDUSTRIAL CONTROL EQUIPMENT

(UL 508; 18th Ed; Issued March 30, 2018; Effective Date: Immediate)

This summary is derived from Standard Development Organization (SDO) bulletin(s) or other documentation publicly available. UL Standard bulletins are available at this site: http://www.shopulstandards.com/ Select UL Standards and search for the Standard Number, the Bulletins are on the second tab and may be downloaded at no charge.

CCNs Impacted		NRNT, NMTR, NKPZ, NUET, NRKH, NMFT, NTHT, NKPZ, EOXT, NJOT, NSKT, NKCR – including suffixes 2 and 3
Clause Ref.	**Type of Change (editorial, revised, new, deleted)**	**Summary of Requirements** (Provide a brief explanation of what changed, the impact, and any specific actions to be taken)
1.1, 2.9.1	Revised	Clarifies that functional safety aspects are not within the scope of the standard and introduces a definition.
7.5.1 Exception	Revised	Allows some polymeric enclosure tests to be waived if the product is supplied solely by a Class 2 source.
7.5.2	Revised	Clarifies which rigid metallic conduit tests may be waived if marked in accordance with clause 12.18.
7.6.4	Editorial	Correction to reference Tables.
16.1	Revised	Clarification that “direct physical contact” is anything within 0.8 mm to align with definition in UL 746C.
24.1	Revised	Clarification of requirements for transformers.
26.5.1	Revised	Establishes that a field wiring terminal must be suitable for at least 14 AWG conductors or field wiring lead be at least 14 AWG.
26.9.1	Revised	Removed exception allowing field wiring leads for proximity switches to be less than 18 AWG (but no less than 24 AWG)
29.2, 30.2, 33.1.2, Table 33.1, 33.9	New	Addition of requirements for limited power sources in accordance with UL 60950-1. The requirements mirror those for Class 2 sources.

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36.1, 36.2	Editorial	Clarification – change "constructed in accordance" to "comply"
Table 37.1 footnote g	Revised	Removed requirement that reduced spacing for cast metal enclosure can only be applied to products without a short circuit rating and that have limited ratings.
Table 37.2, Table 37.3, Table 37.6	Revised	Clarification that voltages are in rms ac or dc
Table 37.6	Editorial	Editorial correction to footnote a (changed "of" to "or")
37.19	Revised	Clarification that the clause only applies to crossover lead insulation.
38.1	Editorial	Editorial correction. Indentation for the exception is removed so that it isn't mistaken to only apply to 38.1 c) 3).
Table 38.1	Editorial	Editorial correction, removed extra period from 0.0.28
40.2	Revised	Clarification only. Adds Table 37.3 to clause 40.2. Since Table 37.3 is the equivalent table to Table 37.1 for spacings over 600 V, it is logical that this table has been used for the requirement.
45.22	Revised	Changed the required interval for temperature stabilization to 15 minutes.
47.2	Editorial	Editorial. Section references to UL 840 updated to be consistent with the current edition.
Table 47.1, Table 48.1, 68.4	Revised	Clarified tables that the ballast rating is only for standard ballasts. Removed allowance to test 20 A rated devices based on a 16 A load.
52.1.3	Revised	Clarification that bus bars are required to comply with the short circuit test, as stated elsewhere in the standard.

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53.1.3.3	Revised	Clarification that the clause only applies to overload relays or devices incorporating overload relays.
53.1.3.4	Revised	Clarification to re-emphasize that the instantaneous trip circuit breaker used within a Type D combination motor controller must be integral to the control.
54.1.1, Table 54.1	New	Addition of a Table to require standardized high fault current levels to be consistent with other industrial standards such as UL 98, UL 489.
Table 54.3	Revised	Changes requirement for standalone overload relays to have two "O" shots during high available fault current short circuit test since a "CO" shot cannot be performed.
55.1.1	Editorial	Removal of incorrect reference to 63.2.3(old).
57.5.1	Editorial	Correction of reference o 54.2.2.1(old) to 55.2.2.2(c).
61.2	Revised	Clarification that leads do not need to be disconnected when conducting the strain relief test.
64.2	Revised	Clarification of the requirement that branch circuit protective devices cannot open during the printed wiring board abnormal operation test. This requirement was explained in the original text, this revision makes the requirement more clear.
70.39	Revised	New marking requirement for bus bars that have only been investigated for branch circuit use be marked as such (as they have not been investigated for feeder circuit use).
Table 94.1	New	Addition of UL 98A for disconnects used in combination motor controllers.
102.2	Revised	Clarification that the clause only applies to CMC's using motor starters.
Table 116.2, 124.1.2	New	Addition of dielectric test after current limiting control test
116.2	Revised	Allows temperature tests to be conducted at a voltage less than rated voltage.

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128.4	Revised	Clarification of enclosure requirements for pressure operated switches.
165.10, 166.1	Revised	Requires 30 A fuse to be connected from enclosure to pole least likely to arc to earth when conducting an overload test on mechanical overload relays.
173.2	Revised	Clarification that software and firmware investigation is done by the calibration test.
177.1, 181.2, 185.1, 69.5	Revised	Allows for definite purpose ratings for other than hermetic refrigerant compressor motor.
181.2	Revised	Clarification that definite purpose controllers in heating applications are controlling motors.
226.1	Revised	Clarification that lasers and ultraviolet light emissions must be considered with respect to risk of injury.
Table 68.2, Figure 68.1,	New	Addition of values for 3 A or less for fluorescent ballast ratings
53.1.2.3, 70.3	New	Allows for the standard fault current short circuit test to be conducted with a specific class of fuse of the motor controller is marked for use only with that class of fuse.
Table 69.4	Revised	Changes the requirement for DC resistance rated controllers to be marked with amperes only (“resistance only” is not required).
60.5	Revised	Clarifies that protective devices can be used during the breakdown of components test.
51.1.2	Revised	Lowers the required voltage for DC rated equipment to be 1000 + twice rated voltage for DC test source, or .707 times that for AC test source.