

Subject 1004-1

June 22, 2018

SUMMARY OF TOPICS

The following topics for the Standard for Rotating Electrical Machines – General Requirements, UL 1004-1, are being recirculated:

1. Clarification for Determining Compliance for Grounding Continuity and Bonding

3. Clarification for KVA Codes for Motors with Drives

COMMENTS DUE: JULY 23, 2018

For your convenience in review, proposed additions to the previously proposed requirements dated 2-23-18 are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Clarification for Determining Compliance for Grounding Continuity and Bonding

RATIONALE

Responses to comments have been posted within the 1004-1 Proposal Review Work Area dated 2-23-18. The proposed change to 39.1 shown below is such that the text would revert to the original text as currently in the UL 1004-1 Standard.

PROPOSAL

39.1 The resistance of the grounding ~~and bonding~~ path shall be no more than 0.1 ohms. The resistance is to be determined by applying a current equal to the full-rated machine input/output between the part intended to be grounded ~~and/or bonded~~ and the grounding conductor terminal, measuring the voltage drop and dividing the voltage drop potential by the current flowing in the circuit to calculate the grounding path impedance.

3. Clarification for KVA Codes for Motors with Drives

RATIONALE

Responses to comments have been posted within the 1004-1 Proposal Review Work Area dated 2-23-18.

PROPOSAL

44.9 For field installed motors, an alternating-current motor rated 1/2 horsepower (373 W output) or more shall be marked with a code letter to indicate the locked-rotor amperes in accordance with the *National Electrical Code*®, NFPA 70.



Exception: Motors requiring a drive to operate as intended, where the in-rush current is limited, may have the locked rotor amperes (KVA) code letter omitted. If the drive is separately provided from the motor and the KVA code letter is omitted, the motor shall be marked "inverter duty only" or equivalent.

Copyright © 2018 Underwriters Laboratories Inc.

UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL



Documents
Document Sharing Hub