

UNDERWRITERS LABORATORIES INC. CERTIFICATION REQUIREMENT DECISION

This Certification Requirement Decision is prepared by UL LLC. It is normative for the applicable UL Product Certification Program(s); however, it is currently not part of the UL Standard(s) referenced below.

Product Category (CCN): DIMV, DIMV7, DIYA, DIYA7, DKPU2, DKPU8, DIVQ, DIVQ7, DKTY, DIRW, DIRW7, DIYV, DIYV7

Standard Number: UL 489

Standard Title: Standard for Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures

Edition Date: October 24, 2016

Edition Number: 13

Section / Paragraph Reference: 6.17.1, 9.18.1

Subject: Revision to Compliance criteria for Circuit breakers with a neutral pole.

DECISION:

6.17.1 4-pole constructions shall be permitted to be used for 3-phase circuits where a switched neutral is required. The fourth pole shall be provided with overcurrent protection of any value between 0 through 100 percent of the other poles, inclusive ~~either without overcurrent protection or with overcurrent protection of 50 or 100 percent of the other poles.~~ See 7.1.1.18, 7.17.1 - 7.17.3, and 9.18.1.

9.18.1 A 4-pole circuit breaker shall have the fourth (neutral) pole marked "Protection - % I_n". The percentage indicated shall be ~~0, 50 or 100~~ any value 0 through 100 inclusive, in increments of 10. Location Category B.

RATIONALE FOR DECISION:

This CRD expands the ability of circuit breakers to have neutral overcurrent protection at values other than 0%, 50% and 100% of the other poles. Specific applications require neutral protections anywhere in the range of 0-100% of the other poles. Since the minimum and maximum of this range is already allowed and addressed by the standard, acceptance of intermediate values does not pose a technical concern.

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