STANDARDS UPDATE NOTICE (SUN)
ISSUED: September 22, 2025

STANDARD INFORMATION

Standard: UL 489 / CSA C22.2 No. 5
Standard ID:
Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures [UL 489:2025 Ed.14]
Molded-case Circuit Breakers, Molded-case Switches and Circuit-breaker Enclosures [CSA C22.2#5:2025 Ed.5]
Previous Standard ID:
Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures [UL 489:2016 Ed.13+R:22Apr2019]
Molded-case Circuit Breakers, Molded-case Switches and Circuit-breaker Enclosures [CSA C22.2#5:2016 Ed.4+U1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 7, 2027**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Addition of consideration of programmable component
- Addition of energy reducing maintenance setting
- Addition of requirements for generator transfer

Specific details of new/revised requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are <u>underlined</u> and deletions are shown ~~lined out~~ below.
2	Info	**Definitions**
2.28	Info	ENERGY-REDUCING MAINTENANCE SETTING – A selectable function of the trip unit intended to reduce the clearing time of a circuit breaker thereby reducing the energy during an arc fault event.
12	Info	**Adjustable Circuit Breakers**
12.6		***New clause added;*** Circuit breakers may be provided with an energy-reducing maintenance setting that reduces the overall trip time over a predetermined current level.
12.7		***New clause added;*** The energy-reducing maintenance setting referenced in 12.6 may be enabled by means of a control on the circuit breaker or by means of an external control connection to the circuit breaker.
12.8		***New clause added;*** A circuit breaker that includes an energy-reducing maintenance setting shall be provided with an indicator on the circuit breaker, such as an LED, indicating lamp or electronic status display, to indicate that the setting is enabled.
32	Info	**Adjustable Circuit Breakers**
32.6		***New section added;*** **Energy-reducing maintenance setting**
32.6.1		A circuit breaker that includes an energy-reducing maintenance setting shall comply with the calibration test requirements in 32.6.2 with the setting enabled.
32.6.2		In a circuit breaker that has an energy-reducing maintenance setting as indicated in 12.6, the automatic tripping shall be within the range of 80 - 130 percent of the manufacturer specified tripping current. The test shall be conducted using one of the methods specified in 26.2.5.2. If the circuit breaker has more than one energy-reducing maintenance settings, the test shall be conducted at the maximum and minimum settings.

CLAUSE	VERDICT	COMMENT
80	Info	**Generator Transfer (For use in Canada Only)**
80.1		***New clause added;*** Mechanical interlocks intended for use as a generator transfer shall be in accordance with Annex B, Ref. No. 29.
Annex K	Info	**MOLDED-CASE CIRCUIT BREAKERS AND MOLDED-CASE SWITCHES WITH SOFTWARE IN PROGRAMMABLE COMPONENTS**
K14	Info	**Identification**
K14.4		Documentation shall include sufficient information to identify each item that is investigated with the software. For example, identification of software elements shall include the version number, release number, and date. Programmable microelectronic hardware elements shall include the component vendor, part number and revision level that uniquely identifies the programmable component die.