

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Low-voltage switchgear and controlgear –
Part 2: Circuit-breakers**

**Appareillage à basse tension –
Partie 2: Disjoncteurs**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

Part 2: Circuit-breakers

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This sixth edition cancels and replaces the fifth edition published in 2016 and its Amendment 1: 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) suitability for isolation (see Clause 1);
- b) removal of the classification according to the interrupting medium, according to the design, according to the suitability for isolation (see Clause 4);
- c) adjustment of current settings with an external device connectable to the release (see 5.7.3);

- d) requirements for circuits with protective separation (see 8.2.3.8);
- e) additional tests for ground-fault overcurrent releases (see 9.3.4.2.5);
- f) additional tests concerning dielectric properties in tripped position (see 9.3.4.3);
- g) use of DC voltage for dielectric tests (see 9.3.4.6.2 and 9.4.6);
- h) tests of individual pole breaking capacity under phase-to-neutral AC voltage (see 9.3.11);
- i) improvement of measurement of power loss in Annex G;
- j) changes in EMC tests (see Annex J);
- k) introduction of CBI class W in Annex L.

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This International Standard is to be used in conjunction with IEC 60947-1:2020.

The provisions of the general rules dealt with in IEC 60947-1 are applicable to this document, where specifically called for. Clauses and subclauses, tables, figures and annexes of the general rules thus applicable are identified by reference to IEC 60947-1:2020.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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