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**IEEE Std C37.09™-2018**
(Revision of
IEEE Std C37.09-1999)

# Errata to IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V

Developed by the
**Switchgear Committee**
of the
**IEEE Power and Energy Society**

*Correction Sheet*
**19 November 2019**

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***In Table 1 on page 23, change the first "Test voltage (kV)" box under the "Single-phase fault tests" section of the table as follows:***

**Table 1—Single-phase or three-phase test duties for short-circuit current tests**

| Test duty | Operating duty | Test voltage (kV) | Making *I* [kA (pk)] | Short-circuit current (kA) | % asymmetry @ contact part |
|---|---|---|---|---|---|
| T10 | O–$t_r$–CO–$t_r$'–CO | *E* | | 0.1 *I* | <20 |
| T30 | O–$t_r$–CO–$t_r$'–CO | *E* | | 0.3 *I* | <20 |
| T60 | O–$t_r$–CO–$t_r$'–CO | *E* | | 0.6 *I* | <20 |
| T100s | O–$t_r$–CO–$t_r$'–CO or T100s(a) and T100s(b) | *E* | *F* × *I* | *I* | <20 |
| T100s(a) | C–$t_r$'–C | *E* | *F* × *I* | | |
| T100s(b) | O–$t_r$–O–$t_r$'–O | *E* | | *I* | <20 |
| T100a | Three Os | *E* | | see 4.8.4.4 | >20 |
| Single-phase fault tests | | | | | |
| T100s 1ph | O | $\frac{U_r}{\sqrt{3}}$ | | | <20 |
| T100a 1ph | O | $\frac{U_r}{\sqrt{3}}$ | | see 4.8.4.5 | >20 |
| Single-phase, short-line fault tests | | | | | |
| L75 | Three Os | $\frac{U_r}{\sqrt{3}}$ | | 0.7 *I* to 0.8 *I* | <20 |
| L90 | Three Os | $\frac{U_r}{\sqrt{3}}$ | | 0.9 *I* to 0.95 *I* | <20 |
| Short-time current test | | | | | |
| STC | Closed position | | *F* × *I* | *I* for *T* seconds | |