

SRI LANKA STANDARD 548 : 1982

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**SPECIFICATION FOR
CURRENT-OPERATED EARTH
LEAKAGE CIRCUIT BREAKERS**

BUREAU OF CEYLON STANDARDS

SPECIFICATION FOR CURRENT-OPERATED
EARTH LEAKAGE CIRCUIT BREAKERS
(RESIDUAL CURRENT TYPE)

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FOREWORD

This Sri Lanka Standard Specification was authorized for adoption and publication by the Council of the Bureau of Ceylon Standards on 1982-01-28, after the draft, finalized by the Drafting Committee on Current-Operated Earth Leakage Circuit Breakers, had been approved by the Electrical Engineering Divisional Committee.

This specification was prepared to standardize a device which is being used in domestic, commercial and industrial installations as one means of providing earth leakage protection.

The current-operated earth leakage circuit breakers which incorporate over current protection shall comply with the requirements of this specification and also with the relevant requirements given in the Publication 157-1 of the International Electrotechnical Commission (IEC).

All values in this specification are in SI units.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or observation shall be rounded off in accordance with CS 102. The number of figures to be retained in the rounded off values shall be the same as that of the specified value in this specification.

In the preparation of this specification, the assistance derived from the publications of the International Electrotechnical Commission, British Standards Institution and Singapore Standards Institution is gratefully acknowledged.

1 SCOPE

This specification applies to a.c. current-operated earth leakage circuit breakers with or without overload tripping devices rated at voltages not exceeding 600 V and at currents preferably not exceeding 100 A at 50 Hz.