

**Aerospace series - Circuit breakers, single-pole,
temperature compensated, rated currents 20 A
to 50 A - Part 003: Metric thread terminals -
Product standard**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2794-3:2000 sisaldb Euroopa standardi EN 2794-3:1999 ingliskeelset teksti. Standard on kinnitatud Eesti Standardikeskuse 11.01.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas. Standard on kätesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 2794-3:2000 consists of the English text of the European standard EN 2794-3:1999. This standard is ratified with the order of Estonian Centre for Standardisation dated 11.01.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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ICS 49.060

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EUROPEAN STANDARD
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EN 2794-003

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English version

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A - Part 003: Metric thread terminals - Product standard

Série aérospatiale - Disjoncteurs unipolaires compensés en température, intensités nominales 20 A à 50 A - Partie 003:
Bornes à filetage métrique - Norme de produit

Luft- und Raumfahrt - Schutzschalter, einpolig,
temperaturkompensiert, Nennströme von 20 A bis 50 A -
Teil 003: Metrisches Klemmengewinde - Produktnorm

This European Standard was approved by CEN on 4 September 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 1999, and conflicting national standards shall be withdrawn at the latest by December 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies the required characteristics for single-pole, temperature compensated circuit breakers, rated currents from 20 A to 50 A, metric thread terminals, for use in aircraft electrical systems, at temperatures between – 55 °C and 125 °C and at a maximum altitude of Z = 15 000 m.

It shall be used together with EN 2794-001.

These circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 965-2	ISO general purpose metric screw threads - Tolerances - Part 2: Limits of sizes for general purpose bolt and nut threads - Medium quality
ISO 1190-1	Copper and copper alloys - Code of designation - Part 1: Designation of materials
ISO 7045	Cross-recessed pan head screws - Product grade A
EN 2282	Aerospace series - Characteristics of aircraft electrical supplies
EN 2350	Aerospace series - Circuit breakers - Technical specification
EN 2794-001	Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification

3 Definitions

For the purposes of this standard, the definitions given in EN 2350 apply.

4 Required characteristics

4.1 Short-circuit performance

Test current: 28 V d.c.: 4 000 A prospective;
115 V a.c., 400 Hz: 1 500 A prospective, $0,8 \leq \cos \varphi < 1$.

Number of CO/OCO tests: 1 CO + 2 OCO