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BSI Standards Publication

Aerospace series — Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A

Part 006: 6,3 mm & 2,8 mm blade terminal with polarized signal contact — Product standard

bsi.

National foreword

This British Standard is the UK implementation of EN 2995-006:2023.

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A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A - Part 006: 6,3 mm & 2,8 mm blade terminal with polarized signal contact - Product standard

Série aérospatiale - Disjoncteurs unipolaires compensés en température, intensités nominales 1 A à 25 A - Partie 006 : Borne à lames de 6,3 mm et 2,8 mm avec contact de signalisation polarisé - Norme de produit

Luft- und Raumfahrt - Schutzschalter, einpolig, temperaturkompensiert, Nennstroöme von 1 A bis 25 A - Teil 006: Flachsteckverbinder 6,3 mm & 2,8 mm mit polarisiertem signalkontakt - Produktnorm

This European Standard was approved by CEN on 22 October 2023.

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

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European foreword

This document (EN 2995-006:2023) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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1 Scope

This document specifies the characteristics of single-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between –55 °C and 125 °C and at an altitude of 15 000 m max.

These circuit breakers are operated by a push-pull type single push button (actuator), with delayed action “trip-free” tripping with a polarized signal contact which is open when main contacts are closed, and inversely.

They will continue to function up to the short-circuit current.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2282[1], *Aerospace series — Characteristics of aircraft electrical supplies*

EN 2995-001, *Aerospace series — Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A — Part 001: Technical specification*

TR 6083[2], *Aerospace series — Cut-outs for installation of electrical components*

AMS-STD-595, *Colors Used in Government Procurement*

MIL-PRF-19500[3], *Performance specification: Semiconductor devices, general specification for*

EN IEC 60934:2019, *Circuit Breakers for Equipment (CBE) (IEC 60934:2019)*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

4 Dimensions and mass

4.1 Dimensional characteristics

The circuit breakers do not have to correspond to the pictorial illustration, only the dimensions given shall be adhered to. The mounting surface is the contact surface with the circuit breaker panel.

See Figure 1.

[1] Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), https://www.asd-stan.org/.
[2] Published as ASD-STAN Technical Report at the date of publication of this document by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), httsp://www.asd-stan.org/.
[3] Published by: Department of Defense (DOD), the Pentagon, Washington D.C. 20301 USA.