

STN	Letectvo a kozmonautika Jednopolové ističe, tepelne kompenzované, menovitý prúd od 1 A do 25 A Časť 006: Plochá svorka 6,3 mm a 2,8 mm s polarizovaným signálovým kontaktom Norma na výrobok	STN EN 2995-006 31 1744
------------	---	---

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/24

Obsahuje: EN 2995-006:2023

138374

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD

EN 2995-006

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2023

ICS 49.060

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, Nennströme 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.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 2995-006:2023 (E)

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Dimensions and mass	4
4.1 Dimensional characteristics	4
4.2 Electrical diagram	7
4.3 Mass	8
4.4 Panel mounting	8
5 Characteristics	8
5.1 Material, surface treatment	8
5.2 Mechanical characteristics	9
5.2.1 Fasteners	9
5.2.2 Recommended tightening torque of attaching nut for installation	9
5.2.3 Tensile load of terminals	9
5.2.4 Recommended tools for auxiliary contact insertion and extraction	9
5.2.5 Resistance to vibrations	9
5.2.6 Resistance to shocks	9
5.2.7 Mechanical endurance	9
5.3 Environment characteristics	10
5.3.1 Humidity	10
5.3.2 Corrosion	10
5.3.3 Contaminating liquids	10
5.3.4 Overvoltage caused by lightning	10
5.4 Electrical characteristics	10
5.4.1 Nominal voltage of operational circuits	10
5.4.2 Diode of signal contact	10
5.4.3 Voltage drop at I_n and low current	10
5.4.4 Minimum and maximum tripping thresholds	11
5.4.5 Overload trip	12
5.4.6 Short-circuit values	12
5.4.7 No-load and load endurance	13
5.4.8 Dielectric rigidity	13
5.4.9 Insulation resistance	13
5.4.10 Overload endurance	13
6 Designation	14
6.1 Product designation	14
6.2 Procurement designation	14
7 Rated current code	15
8 Delivery hardware codes	15
9 Marking	15
10 Technical specification	15
Bibliography	16

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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 2995-006:2023 (E)

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 2282¹, *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 6083², *Aerospace series — Cut-outs for installation of electrical components*

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

MIL-PRF-19500³, *Performance specification: Semiconductor devices, general specification for*

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN