# SLOVENSKI STANDARD
# SIST EN 3774-004:2024

**01-julij-2024**

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**Aeronavtika - Odklopniki, tripolni, temperaturno kompenzirani, nazivni tok od 1 A do 25 A - 004. del: UNC-navojni priključki - Standard za proizvod**

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 004: UNC thread terminals - Product standard

Luft- und Raumfahrt - Schutzschalter, dreipolig, temperaturkompensiert, Nennströme von 1 A bis 25 A - Teil 004: UNC-Klemmengewind - Produktnorm

Série aérospatiale - Disjoncteurs tripolaires compensés en température, intensités nominales 1 A à 25 A - Partie 004 : Bornes à filetage UNC - Norme de produit



**Ta slovenski standard je istoveten z:** **EN 3774-004:2024**



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**ICS:**

| | | |
|---|---|---|
| 29.120.50 | Varovalke in druga nadtokovna zaščita | Fuses and other overcurrent protection devices |
| 49.060 | Letalska in vesoljska električna oprema in sistemi | Aerospace electric equipment and systems |

**SIST EN 3774-004:2024** **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 3774-004

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ICS 49.060

Supersedes EN 3774-004:2014

English Version

# Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 004: UNC thread terminals - Product standard

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This European Standard was approved by CEN on 5 February 2024.

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

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## European foreword

This document (EN 3774-004:2024) has been prepared by 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 October 2024, and conflicting national standards shall be withdrawn at the latest by October 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.

This document supersedes EN 3774-004:2014.

The main changes with respect to the previous edition are as follows:

— EN 3774-004 (P2), 07/2014 — A typo error in Table 7: as it is a circuit breaker without auxiliary contact, there is no number 3 and number 4 to test.

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.

# 1 Scope

This document specifies the characteristics of three-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 for ratings ≤ 15 A and −55 °C to 90 °C for ratings > 15 A and at an altitude of 22 000 m max.

These circuit breakers are operated by a push-pull type single pushbutton (actuator), with delayed action “trip-free” tripping.

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 2350,[1] *Aerospace series — Circuit breakers — Technical specification*

EN 3774-001:2014, *Aerospace series — Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A — Part 001: Technical specification*

EN 3841-305,[2] *Aerospace series — Circuit breakers — Test methods — Part 305: Short-circuit performance*

EN 6113, *Aerospace series — Circuit breaker, connecting and attachment hardware*

TR 6083,[3] *Aerospace series — Cut-outs for installation of electrical components*

SAE AMS-STD-595,[4] *Colors used in Government Procurement*



# 3 Terms and definitions



For the purposes of this document, the terms and definitions given in EN 2350 apply.

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/

[1] Published as ASD-STAN Standard at the date of publication of this document, available at: https://www.asd-stan.org/.

[2] Published as ASD-STAN Standard at the date of publication of this document, available at: https://www.asd-stan.org/.

[3] Published as ASD-STAN Technical Report at the date of publication of this document, available at: https://www.asd-stan.org/.

[4] Published by: SAE International (US) https://www.sae.org/.