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Responsible committee: ACE/006 Aerospace avionic electrical and fibre optic technology

Interested committees:

Title: BS EN 3774-006 (P1) - Aerospace series - Circuit breakers, three-poles, temperature compensated, rated currents 1 A to 25 A - Part 006 6,35 blade terminal - Product standard

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Introduction

This draft standard is based on European discussions in which the UK has taken an active part. Your comments on this draft are welcome and will assist in the preparation of the consequent British Standard. Comment is particularly welcome on national, legislative or similar deviations that may be necessary.

Even if this draft standard is not approved by the UK, if it receives the necessary support in Europe, the UK will be obliged to publish the official English Language text unchanged as a British Standard and to withdraw any conflicting standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with reasons) or positive vote on this draft.

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- The guidance given below is intended to ensure that all comments receive efficient and appropriate attention by the responsible BSI committee. **Annotated drafts are not acceptable and will be rejected.**
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- All comments submitted should be presented as given in the example below. Further information on submitting comments and how to obtain a blank electronic version of a comment form are available from the BSI website at:
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	(7)
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/ Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

**ASD STANDARD
NORME ASD
ASD NORM**

prEN 3774-006

**Edition P1
June 2015**

AECMA-STAN

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ICS: 49.060

Descriptors:

ENGLISH VERSION

**Aerospace series
Circuit breakers, three-poles,
temperature compensated,
rated currents 1 A to 25 A
Part 006: 6,3~~5~~ blade terminal
Product standard**

**Série aérospatiale
Disjoncteurs tripolaires
compensés en température,
intensités nominales 1 A à 25 A
Partie 06 : Raccordement par lame 6,3~~5~~
Norme de produit**

**Luft- und Raumfahrt
Schutzschalter, dreipolig,
temperaturkompensiert,
Nennströme von 1 A bis 25 A
Teil 006: Flachsteckverbinder 6,3~~5~~
Produktnorm**

This "Aerospace Series" Prestandard has been drawn up under the responsibility of ASD-STAN (The European Association of Aerospace Industries - Standardization). It is published on green paper for the needs of the European Aerospace Industry. It has been technically approved by the experts of the concerned Domain following member comments.

Subsequent to the publication of this Prestandard, the technical content shall not be changed to an extent that interchangeability is affected, physically or functionally, without re-identification of the standard.

After examination and review by users and formal agreement of ASD-STAN it will be submitted as a draft European Standard to CEN (European Committee for Standardization) for formal vote.

Edition approved for publication

Comments should be sent within six months
after the date of publication to
ASD-STAN

Electrical Domain

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Foreword

This standard was reviewed by the Domain Technical Coordinator of ASD-STAN's Electrical Domain.

After inquiries and votes carried out in accordance with the rules of ASD-STAN defined in ASD-STAN's General Process Manual, this standard has received approval for Publication.

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1 Scope

This standard 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 **15 000 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

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.

EN 3774-001,	<i>Aerospace series – Circuit breakers, three-poles, temperature compensated, rated current 1 A to 25 A – Part 001: Technical specification</i>
EN 3841-100,	<i>Aerospace series – Circuit breakers – Test Methods – Part 100: General</i>
EN 3841-305,	<i>Aerospace series – Circuit breakers – Test methods – Part 305: Short-circuit performance</i> ¹⁾
EN 6113,	<i>Aerospace series — Circuit breaker, connecting and attachment hardware</i> ¹⁾
EN 9133,	<i>Aerospace series — Quality management systems – Qualification procedures for aerospace standard parts</i>
TR 6083,	<i>Aerospace series – Cut-outs for installation of electrical components</i> ²⁾
FED-STD-595B	Colours used in Government Procurement
IEC 60934	Circuit Breakers for Equipment

3 Dimensions and mass

3.1 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 panel.**

~~Dimensions are in millimetres with exception terminal thread 8-32 UNC.~~

See Figure 1.

Dimensions are in millimetres.

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard. <http://www.asd-stan.org/>

Standard push button (S):

