



NSAI
Standards

Irish Standard
I.S. EN 6113:2015

Aerospace series - Circuit breaker, connecting and attachment hardware

I.S. EN 6113:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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EUROPEAN STANDARD

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English Version

Aerospace series - Circuit breaker, connecting and attachment hardware

Série aérospatiale - Disjoncteurs, connecteurs et montage accessoires

Luft- und Raumfahrt - Schutzschalter, Anschluss- und Montage- Zubehör

This European Standard was approved by CEN on 29 November 2014.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Requirements	4
4 Designation	9
5 Marking	10
6 Technical specification	10
Figures	
Figure 1 — Configuration of connecting screw	5
Figure 2 — Configuration of connecting lockwasher	6
Figure 3 — Configuration of attachment nut	7
Figure 4 — Configuration attachment lockwasher	9
Tables	
Table 1 — Dimensions of attachment nut	8
Table 2 — Hardware kit part	10

European foreword

This document (EN 6113:2015) 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 European Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

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

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EN 6113:2015 (E)

1 Scope

This European Standard specifies the connecting and attaching hardware for circuit breakers.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2424, *Aerospace series - Marking of aerospace products*

ISO 965-2, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality*

ISO 1190-1, *Copper and copper alloys — Code of designation — Part 1: Designation of materials*

ISO 4757, *Cross recesses for screws*

TR 3775, *Aerospace series — Bolts and pins — Materials* ¹⁾

MIL-B-87114, *Bolts, recess drive, general specification* ²⁾

MIL-S-8879, *Screw threads, controlled radius root with increased minor diameter, general specification for* ²⁾

3 Requirements

3.1 Configuration – Dimensions – Tolerances

The configuration, dimensions and tolerances shall conform with 3.2, 3.3, 3.4 and 3.5.

3.2 Connecting screw

3.2.1 Configuration

Configuration, see Figure 1, Figure 2, Figure 3 and Figure 4.

3.2.2 Dimensions and tolerances

Dimensions and tolerances are in millimetres.

3.2.3 Thread and Cross recess

3.2.3.1 Thread

0.1640-32UNC-3A in accordance with MIL-S-8879.

3.2.3.2 Cross recess

Cross recess in accordance with ISO 4757 type H, No.2.

¹⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard (<http://www.asd-stan.org/>).

²⁾ Published by: DoD National (US) Mil. Department of Defense (<http://www.defenselink.mil/>).

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