



**NSAI**  
Standards

Irish Standard  
I.S. EN 3155-071:2014

Aerospace series - Electrical contacts used in elements of connection - Part 071: Contacts, electrical, female, type A, crimp, class S - Product standard

**I.S. EN 3155-071:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

EN 3155-071:2014

*Published:*

2014-11-05

*This document was published under the authority of the NSAI and comes into effect on:*

2014-11-26

ICS number:

49.060

NOTE: If blank see CEN/CENELEC cover page

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

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

**EN 3155-071**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2014

ICS 49.060

Supersedes EN 3155-071:2007

English Version

**Aerospace series - Electrical contacts used in elements of  
connection - Part 071: Contacts, electrical, female, type A, crimp,  
class S - Product standard**

Série aéronautique - Contacts électriques utilisés dans les  
organes de connexion - Partie 071: Contacts électriques,  
femelles, type A, à sertir, classe S - Norme de produit

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung  
in Verbindungselementen - Teil 071: Elektrische  
Buchsenkontakte, Typ A, crimpbar, Klasse S - Produktnorm

This European Standard was approved by CEN on 14 June 2014.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

<b>Contents</b>		<b>Page</b>
<b>Foreword.....</b>		<b>3</b>
<b>Introduction .....</b>		<b>4</b>
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>4</b>	<b>Required characteristics .....</b>	<b>6</b>
<b>4.1</b>	<b>Specific characteristics.....</b>	<b>6</b>
<b>4.2</b>	<b>Dimensions and mass.....</b>	<b>6</b>
<b>4.3</b>	<b>Marking by colour code .....</b>	<b>8</b>
<b>4.4</b>	<b>Material, surface treatment.....</b>	<b>8</b>
<b>4.5</b>	<b>Permissible cables .....</b>	<b>9</b>
<b>4.6</b>	<b>Tooling.....</b>	<b>9</b>
<b>4.7</b>	<b>Cable stripping.....</b>	<b>10</b>
<b>4.8</b>	<b>Tests.....</b>	<b>10</b>
<b>4.9</b>	<b>Gauges.....</b>	<b>12</b>
<b>5</b>	<b>Designation .....</b>	<b>12</b>
<b>6</b>	<b>Marking .....</b>	<b>12</b>
<b>7</b>	<b>Technical specification .....</b>	<b>12</b>

## **Foreword**

This document (EN 3155-071:2014) 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 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 May 2015, and conflicting national standards shall be withdrawn at the latest by May 2015.

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.

This document supersedes EN 3155-071:2007.

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

**EN 3155-071:2014 (E)**

## **Introduction**

The contacts defined by this standard are derived from those of SAE-AS39029/57 and, intermateable with those of SAE-AS39029/58.

## 1 Scope

This European Standard specifies the required characteristics, tests and tooling applicable to female electrical contacts 071, type A, crimp, class S used in elements of connection according to EN 3155-002.

It shall be used together with EN 3155-001.

The associated male contacts are defined in EN 3155-008 and EN 3155-070.

## 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 2083, *Aerospace series — Copper and copper alloy conductors for electrical cables — Product standard*

EN 2242, *Aerospace series — Crimping of electric cables with conductors defined by EN 2083, EN 4434 and EN 2346*

EN 2591 <sup>1)</sup>, *Aerospace series — Elements of electrical and optical connection — Test methods*

EN 3155-001, *Aerospace series — Electrical contacts used in elements of connection — Part 001: Technical specification*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts*

EN 3155-008, *Aerospace series — Electrical contacts used in elements of connection — Part 008: Contacts, electrical, male, type A, crimp, class S — Product standard*

EN 3155-070, *Aerospace series — Electrical contacts used in elements of connection — Part 070: Contacts, electrical, male, type A, crimp, class S — Product standard*

EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

ISO 8843, *Aircraft — Crimp-removable contacts for electrical connectors — Identification system*

SAE-AS22520, *Crimping tools, wire termination, general specification for* <sup>2)</sup>

---

1) All parts quoted in Table 7.

2) Published by: SAE National (US) Society of Automotive Engineers <http://www.sae.org/>

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-