BS EN 3155-076:2019

BSI Standards Publication

Aerospace series — Electrical contacts used in elements of connection

Part 076: Contacts, electrical, male, type A, crimp, class R — Product standard

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National foreword

This British Standard is the UK implementation of EN 3155-076:2019. It supersedes BS EN 3155-076:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Aerospace series - Electrical contacts used in elements of connection - Part 076: Contacts, electrical, male, type A, crimp, class R - Product standard

Série aérospatiale - Contacts électriques utilisés dans les organes de connexion - Partie 076 : Contacts électriques, mâles, type A, à sertir, classe R - Norme de produit

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung in Verbindungselementen - Teil 076: Elektrische Stiftkontakte, Typ A, crimpbar, Klasse R - Produktnorm

This European Standard was approved by CEN on 14 July 2019.

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

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European foreword

This document (EN 3155-076:2019) 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of an identical text or by endorsement, at the latest by June 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

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 3155-076:2012.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Turkey and the United Kingdom.

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1 Scope

This document specifies the required characteristics, tests and tooling applicable to male contacts size 22, 20, 16, 12, 8 and 5, type A, crimp, class R, used in elements of connection according to EN 3155-002.

It should be used together with EN 3155-001.

The associated female contacts are defined in EN 3155-077.

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

EN 2591 (all parts), *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 3155-077, *Aerospace series — Electrical contacts used in elements of connection — Part 077: Contacts, electrical, female, type A, crimp, class R — Product standard*

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

EN 4644-001, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 001: Technical specification*

EN 4644-012, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 012: Receptacle, size 1, class A, C and E — Product standard*

EN 4644-021, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 021: Plug, size 2, without mounting holes, class A, C and E — Product standard*

EN 4644-024, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 024: Receptacle size 2, class A, C and E — Product standard*

ISO 8843, *Aircraft — Crimp-removable contacts for electrical connectors — Identification system* [1)]

SAE-AS22520, *Crimping tools, wire termination, general specification for* [2)]

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1) Published by: ISO International International Standardisation Organisation http://www.iso.ch/

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

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