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Irish Standard
I.S. EN 3155-067:2009

Aerospace series - Electrical contacts used in elements of connection - Part 067: Contacts, electrical, coaxial, size 08, male, type D, solder, class R - Product standard

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EUROPEAN STANDARD

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EN 3155-067

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English Version

Aerospace series - Electrical contacts used in elements of connection - Part 067: Contacts, electrical, coaxial, size 08, male, type D, solder, class R - Product standard

Série aérospatiale - Contacts électriques utilisés dans les organes de connexion - Partie 067: Contacts électriques, coaxiaux, taille 08, mâles, type D, à souder, classe R - Norme de produit

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung in Verbindungselementen - Teil 067: Elektrische koaxial Stiftkontakte, Größe 08, Typ D, zum Löten, Klasse R - Produktnorm

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Foreword

This document (EN 3155-067:2009) 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of an identical text or by endorsement, at the latest by August 2009, and conflicting national standards shall be withdrawn at the latest by August 2009.

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Introduction

The contact defined by this standard is derived and interchangeable with that of SAE-AS39029/60.

1 Scope

This standard specifies the required characteristics, tests and tooling applicable to male coaxial electrical contacts, size 08, type D, solder, class R, used in elements of connection according to EN 3155-002.

It shall be used together with EN 3155-001.

The associated female contacts are defined in EN 3155-068.

2 Normative references

The following referenced documents are indispensable for the application 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 2591-*, *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* [1]

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

EN 3155-068, *Aerospace series — Electrical contacts used in elements of connection — Part 068: Contacts, electrical, coaxial, size 08, female, type D, solder, class R — Product standard*

QQ-S-571, *Solder, tin alloy: tin-lead alloy and lead alloy* [2]

MIL-I-81969/14, *Installing and removal tools, connector electrical contact, type III, class 2, composition B* [2]

MIL-PRF-5606, *Hydraulic fluid, petroleum base, aircraft, missile and ordnance* [2]

MIL-PRF-7808, *Lubricating oil, aircraft turbine engine, synthetic base, NATO code number O-148* [2]

MIL-PRF-7870, *Lubricating oil: general purpose, low temperature* [2]

MIL-PRF-23699, *Lubricating oil, aircraft turbine engine, synthetic base, NATO code number O-156* [2]

MIL-PRF-87937, *Cleaning compound aerospace equipment* [2]

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* All parts quoted in this document.

1 Published as ASD Prestandard at the date of publication of this standard.

2 Published by: Department of Defence (DOD), the Pentagon, Washington D.C. 20301 USA.

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SAE-AMS1424, *Fluid, deicing/anti-icing, aircraft, SAE type I* [3]

SAE-AS1241, *Fire resistant phosphate ester hydraulic fluid for aircraft* [3]

SAE-AS39029/60, *Contacts, electrical connector, pin, crimp removable, shielded, size 8 (for MIL-C-38999 series I, III and IV connectors)* [3]

TR 6058, *Aerospace series — Cable code identification list* [4]

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3155-001 apply.

4 Required characteristics

4.1 Specific characteristics

Type D contacts are for general application and class R corresponds to an operating temperature range from – 65 °C to 150 °C.

4.2 Dimensions and mass

See Figure 1.

3 Published by: Society of Automotive Engineering (SAE), 400 Commonwealth Drive, Warrendale, PA 15096, USA.

4 Published as ASD-STAN Technical Report at the date of publication of this standard.

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