Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 002: Specification of performance and contact arrangements

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 002: Specification of performance and contact arrangements



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 4165-	This E
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This Estonian standard EVS-EN 4165-002:2007 consists of the English text of the European standard EN 4165-002:2007.

Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.

Standard on kättesaadav Eesti standardiorganisatsioonist.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This standard defines a number of conditions common to rectangular electrical modular connectors for receptacles, plugs and rack and panel, with interchangeable modules and continuous operating temperature 175 °C.

Scope:

This standard defines a number of conditions common to rectangular electrical modular connectors for receptacles, plugs and rack and panel, with interchangeable modules and continuous operating temperature 175 °C.

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English Version

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 002: Specification of performance and contact arrangements

Série aérospatiale - Connecteurs électriques modulaires - Températures d'utilisation 175 °C continu - Partie 002 : Spécification de performances et arrangement de contacts Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 002: Leistungsdaten und Kontaktanordnungen

This European Standard was approved by CEN on 30 September 2005.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 4165-002:2007) 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 October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

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.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, TW. Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard defines a number of conditions common to rectangular electrical modular connectors for receptacles, plugs and rack and panel, with interchangeable modules and continuous operating temperature 175 °C.

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 2591-209, Aerospace series – Elements of electrical and optical connection – Test methods – Part 209: Current temperature derating.

EN 3155-002, Aerospace series – Electrical contacts used in elements of connection – Part 002: List and utilization of contacts.¹⁾

EN 3197, Aerospace series – Installation of aircraft electrical and optical interconnection systems.¹⁾

EN 4165-001, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 001: Technical specification.

EN 4165-003, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 003: Modules series 2 and series 3 – Product standard. 1)

EN 4165-004, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 004: Stackable mounting receptacle 2 and 4 modules, series 2 – Product standard.

EN 4165-005, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 005: Stackable mounting receptacle 2 and 4 modules, series 3 – Product standard.

EN 4165-006, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 006: Plug for 2 and 4 modules, series 2 – Product standard.

EN 4165-007, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 007: Plug for 2 and 4 modules, series 3 – Product standard.

EN 4165-008, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 008: Rack and panel plug for 2 and 4 modules, series 2 – Product standard.

EN 4165-009, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 009: Rack and panel plug for 2 and 4 modules, series 3 – Product standard.

EN 4165-010, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 010: Rack and panel rear mounted plug 2 and 4 modules, series 2 – Product standard.

EN 4165-011, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 011: Flange mounting receptacle 2 and 4 modules, series 2 – Product standard.

EN 4165-012, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 012: Flange mounting receptacle 2 and 4 modules, series 3 – Product standard.

EN 4165-013, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 – Product standard ¹⁾

EN 4165-014, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 014: Shielded accessory body, 2 and 4 modules for connectors, series 2 and series 3 – Product standard.

EN 4165-015, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 015: Round chimney for accessory (1 per module cavity) – Product standard.

EN 4165-016, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 016: Double oval chimney for accessory (1 per 2 modules) – Product standard.

EN 4165-017, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 017: Blank chimney for accessory (1 per module cavity) – Product standard.

EN 4165-018, Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 018: Protective cover for receptacle 2 and 4 modules, series 2 and series 3 – Product standard.

EN 4529-002, Aerospace series – Elements of electrical and optical connection – Sealing plugs – Part 002: Index of products standards.¹⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4165-001 apply.

4 Synoptic

For intermountabilities between plugs and receptacles, modules series 2 and series 3, male and female, see informative Annex A.

5 Description and codification of shell classes

See Table 1.

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