ICS 49.060 SLOVENSKÁ TECHNICKÁ NORMA Apríl 2016

STN	**Letectvo a kozmonautika. Elektrické modulové konektory obdĺžnikové pre trvalú prevádzkovú teplotu 175 °C. Časť 001: Technická špecifikácia.**	**STN EN 4165-001** 31 1753

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 ?C continuous - Part 001: Technical specification

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/16

Obsahuje: EN 4165-001:2015

Oznámením tejto normy sa ruší
STN EN 4165-001 (31 1753) zo septembra 2007

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4165-001

October 2015

ICS 49.060

Supersedes EN 4165-001:2007

English Version

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

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C - Teil 001: Technische Lieferbedingungen

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C continu - Partie 001: Spécification technique

This European Standard was approved by CEN on 5 March 2015.

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Contents

Figures

Tables

European foreword

This document (EN 4165-001:2015) 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of an identical text or by endorsement, at the latest by April 2016, and conflicting national standards shall be withdrawn at the latest by April 2016.

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1 Scope

This European standard specifies the general characteristics, the conditions for qualification, acceptance and quality assurance, as well as the test programs and groups for rectangular connectors with one or multiple removable modules, intended for use in a temperature range from –55 °C to 175 °C continuous.

This family of connectors is particularly suitable for aeronautic use in zones of severe environmental conditions on board aircraft, applying EN 2282.

The maximum in-service temperature can be limited by maximum temperature of contacts.

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 2282, *Aerospace series — Characteristics of aircraft electrical supplies*

EN 2591-100[1)], *Aerospace series — Elements of electrical and optical connection — Test methods — Part 001: General*

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 3155-071, *Aerospace series — Electrical contacts used in elements of connection — Part 071: Contacts, electrical, female, type A, crimp, class S — Product standard*

EN 3155-082, *Aerospace series — Electrical contacts used in elements of connection — Part 082: Contacts, electrical, female, type A, crimp, class S — Product standard* [2)]

EN 3197, *Aerospace series — Design and installation of aircraft electrical and optical interconnection systems*

EN 3909, *Aerospace series — Test fluids and test methods for electric components and sub-assemblies*

EN 4165-002, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements*

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

EN 4165-020, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 020: Coupling system keyway for receptacle – Product standard*

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1) And all parts quoted in this European Standard.

2) Published as ASD-STAN Prestandard at the date of publication of this European Standard (http://www.asd-stan.org/).

EN 4165-021, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 021: Coupling system keyway for plug — Product standard*

EN 4165-024, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 024: Single module plug — Product standard*

EN 4165-025, *Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 025: Module receptacle - Product Standard*

EN 4701 (all parts), *Aerospace series — Connectors, optical, rectangular, modular, operating temperature 12 °C, for EN 4531 contacts*

EN 4830 (all parts), *Aerospace series — Connectors, optical, rectangular, modular, operating temperature 125 °C, for EN 4639-10X contacts* [1)]

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

ISO 263, *ISO inch screw threads — General plan and selection for screws, bolts and nuts — Diameter range 0,06 to 6 in*

IEC 61726, *Cable assemblies, cables, connectors and passive microwave components — Screening attenuation measurement by the reverberation chamber method*

MIL-HDBK-454A, *General Guidelines for Electronic Equipment* [3)]

TR 4257, *Aerospace series — Elements of electrical and optical connection — Relationship between the numbering systems for parts of EN 2591* [4)]

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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

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