

Aerospace series - Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous - Part 142: Size 4 receptacle for rack and panel application - Product standard

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4644-142:2012 sisaldab Euroopa standardi EN 4644-142:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 4644-142:2012 consists of the English text of the European standard EN 4644-142:2012.
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ICS 49.060, 49.090

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ICS 49.060; 49.090

English Version

Aerospace series - Connector, electrical and optical,
rectangular, modular, rectangular inserts, operating temperature
175 °C (or 125 °C) continuous - Part 142: Size 4 receptacle for
rack and panel application - Product standard

Série aérospatiale - Connecteur, électrique et optique,
rectangulaire, modulaire, à inserts rectangulaires,
température de fonctionnement 175 °C (ou 125 °C) continu
- Partie 142: Embase, taille 4, pour applications rackables -
Norme de produit

Luft- und Raumfahrt - Elektrische und optische
Rechtecksteckverbinder, modular, rechteckige
Kontakteinsätze, Dauerbetriebstemperatur 175 °C (oder
125 °C) konstant - Teil 142: Fester Steckverbinder, Größe
4, für Einschubanwendungen - Produktnorm

This European Standard was approved by CEN on 22 July 2011.

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Foreword

This document (EN 4644-142:2012) 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of an identical text or by endorsement, at the latest by November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

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1 Scope

This European Standard specifies the size 4 receptacle for rack and panel application used in the family of modular rectangular electrical and optical connector with rectangular inserts, operating temperature 175 °C (or 125 °C) continuous.

The plug corresponding to this receptacle is defined in EN 4644-141.

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 4644-001, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 001: Technical specification*¹⁾

EN 4644-002, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 002: Specification of performance and contact arrangements*¹⁾

EN 4644-141, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 141: Size 4 plug for rack and panel applications — Product standard*¹⁾

3 Terminology

See EN 4644-001.

4 Required characteristics

4.1 Dimensions and recommended panel cut out

See Figure 1 and Figure 2.

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard by Aerospace and Defence Industries Association of Europe-Standardization (ASD-STAN), (www.asd-stan.org).