



BSI Standards Publication

**Aerospace series — Connector,  
electrical and optical,  
rectangular, modular,  
rectangular inserts, operating  
temperature 175 °C (or 125 °C)  
continuous**

Part 133: Size 3 receptacle for rack and  
panel application, class C and D — Product  
Standard

**National foreword**

This British Standard is the UK implementation of EN 4644-133:2016. It supersedes BS EN 4644-133:2011 which is withdrawn.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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EUROPEAN STANDARD

**EN 4644-133**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2016

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English Version

**Aerospace series - Connector, electrical and optical,  
rectangular, modular, rectangular inserts, operating  
temperature 175 °C (or 125 °C) continuous - Part 133: Size  
3 receptacle for rack and panel application, class C and D -  
Product Standard**

Série aérospatiale - Connecteur, électrique et optique,  
rectangulaire, modulaire, à inserts rectangulaire,  
température de fonctionnement 175 °C (ou 125 °C)  
continu - Partie 133 : Embase, taille 3, pour  
applications rackables, classes C et D - Norme de  
produit

Luft- und Raumfahrt - Elektrische und optische  
Rechtecksteckverbinder, modular, rechteckige  
Kontakteinsätze, Dauerbetriebstemperatur 175 °C  
(oder 125 °C) konstant - Teil 133: Fester  
Steckverbinder, Größe 3, für Einschubanwendungen,  
Klassen C und D - Produktnorm

This European Standard was approved by CEN on 27 September 2015.

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## European Foreword

This document (EN 4644-133:2016) 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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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.

This document supersedes EN 4644-133:2011.

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

## 1 Scope

This European Standard specifies the size 3 receptacle for rack and panel application used in the family of modular rectangular electrical and optical connector with rectangular inserts. The plug corresponding to this receptacle is defined in EN 4644-131.

## 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*

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*

EN 4644-131, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 131: Size 3 plug for rack and panel applications, class C and D — Product standard*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4644-001 apply.

## 4 Required characteristics

### 4.1 Dimensions and recommended panel cut out

See Figure 1 and Figure 2.