

# **BSI Standards Publication**

# Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors

Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief — Product standard



BS EN 3660-005:2023 BRITISH STANDARD

# National foreword

This British Standard is the UK implementation of EN 3660-005:2023. It supersedes BS EN 3660-005:2018, which is withdrawn.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 committee manager.

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# **English Version**

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief - Product standard

Série aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 005 : Raccord, type A, coudé à 90°, non étanche, avec brides serre-câbles - Norme de produit

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund- und Rechtecksteckverbinder - Teil 005: Endgehäuse, Bauform A, 90° Ausführung, nicht abgedichtet, mit Zugentlastungsklemme -Produktnorm

This European Standard was approved by CEN on 9 July 2023.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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# EN 3660-005:2023 (E)

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# **European foreword**

This document (EN 3660-005:2023) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, 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 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 3660-005+AC:2019.

EN 3660-005:2023 includes the following significant technical changes with respect to EN 3660-005+AC:2019:

- Table 1, Dimension *K*: deletion of tolerance and introduction of "max.";
- Table 1: mass for classes N, A, W, T and Z, shell size 28 updated;
- editorial revision of the document.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## EN 3660-005:2023 (E)

# 1 Scope

This document specifies a range of cable outlets, style A, 90°, unsealed with clamp strain relief for use under the following conditions:

Associated electrical connector(s): EN 3660-002

Temperature range, Class N: −65 °C to 200 °C

Class W: -65 °C to 175 °C Class K: -65 °C to 260 °C

Class A: -65 °C to 260 °C

Class T: −65 °C to 175 °C (nickel PTFE plating)

Class Z: -65 °C to 175 °C (black zinc nickel plating)

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 (all parts), Aerospace series — Elements of electrical and optical connection — Test methods

EN 3660-001, Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 001: Technical specification

# 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3660-001 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <a href="https://www.iso.org/obp/">https://www.iso.org/obp/</a>
- IEC Electropedia: available at <a href="https://www.electropedia.org/">https://www.electropedia.org/</a>

## 4 Characteristics

### 4.1 Dimensions and mass

Dimensions and mass according to Figure 1 and Table 1.

Interface dimensions according to 4.2.