BSI Standards Publication

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

Part 066: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed - Product standard

Documents
Document Sharing Hub

Full document details: BS EN 3660-066:2017

National foreword

This British Standard is the UK implementation of EN 3660-066:2017.

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.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2017
Published by BSI Standards Limited 2017

ISBN 978 0 580 96070 3

ICS 49.060

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2017.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS EN 3660-066:2017

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3660-066

September 2017

ICS 49.060

English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 066: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed - Product standard

Série aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 066 : Raccord, type K, coudé 90°, blindé, étanche, pour manchon thermorétractable - Norme de produit

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund- und Rechtecksteckverbinder - Teil 066: Endgehäuse, Bauform K, 90°, für wärmeschrumpfende Bauteile, Schirmanschluß, abgedichtet, selbstsichernd - Produktnorm

This European Standard was approved by CEN on 23 January 2017.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2017 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 3660-066:2017 E

Documents
Document Sharing Hub

Full document details: BS EN 3660-066:2017

Contents

Page

European foreword 3
1 Scope 4
2 Normative references 4
3 Terms and definitions 5
4 Characteristics 5
5 Designation 18
6 Marking 18
7 Technical specification 18

Documents
Document Sharing Hub
Full document details: BS EN 3660-066:2017

European foreword

This document (EN 3660-066:2017) 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 March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

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.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Documents
Document Sharing Hub

Full document details: BS EN 3660-066:2017

1 Scope

This European Standard defines a range of cable outlets, style K, 90°, shielded, sealed for heat shrinkable boot, for use with memory metal rings under the following conditions.

The mating connectors are listed in EN 3660-002.

Temperature range,	Class N	: – 65 °C to 200 °C
	Class K	: – 65 °C to 200 °C
	Class W	: – 65 °C to 175 °C
	Class T	: – 65 °C to 175 °C (Nickel PTFE plating)
	Class Z	: – 65 °C to 175 °C (Zinc nickel plating)
Associated electrical accessories		: EN 3660-034 memory metal rings (for shield termination backshells).

These cable outlets are designed for termination of overall shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

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 2591-100*, *Aerospace series - Elements of electrical and optical connection - Test methods - Part 100: General*

EN 2997 (series), *Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 C peak*

EN 3646 (series), *Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous*

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

EN 3660-002, *Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 002: Index of product standards*

---

* All its parts quoted in this European Standard.

Documents
Document Sharing Hub
Full document details: BS EN 3660-066:2017

EN 3660-034, *Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 034: Memory metal rings, style Z, for the attachment of screens - Product standard*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

AS85049, *Connector accessories, electrical general specification for-* [1)]

A-A-59569, *Braid, wire (copper, tin-coated, silver-coated, or nickel coated, tubular or flat)*

3 Terms and definitions

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

4 Characteristics

4.1 Dimensions and mass

For dimensions and mass, see Figures 1 and 2 and Tables 1, 2 and 3.

For cable entry dimensions, see 4.2.

Dimensions are in millimetres.

1) Published by: SAE National (US) Society of Automotive Engineers. (http:// www.sae.org/)

Documents
Document Sharing Hub
Full document details: BS EN 3660-066:2017