

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 032: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed - Product standard

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3660-032:2017 sisaldab Euroopa standardi EN 3660-032:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 3660-032:2017 consists of the English text of the European standard EN 3660-032:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 032: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed - Product standard

Série Aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 032 : Raccord, type K, droit, blindé, étanche, pour manchon thermorétractable - Norme de produit

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund- und Rechtecksteckverbinder - Teil 032: Endgehäuse, Bauform K, gerade, für wärmeschrumpfende Bauteile, Schirmanschluß, abgedichtet, selbstsichernd - Produktnorm

This European Standard was approved by CEN on 17 April 2017.

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

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European foreword

This document (EN 3660-032:2017) 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 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of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

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1 Scope

This European Standard defines a range of cable outlets, style K, straight, 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 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 2591-100*, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General*

EN 2997 (all parts), *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 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*

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*

* All its parts quoted in this European Standard.

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

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

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, 2 and 3 and Tables 1, 2, 3 and 4.

For cable entry dimensions, see 4.2.

All dimensions are in millimetres.

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