BS EN 3660-035:2017

BSI Standards Publication

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

Part 035: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed — Product standard

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National foreword

This British Standard is the UK implementation of EN 3660-035:2017.

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.

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

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English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 035: 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 035 : 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 035: Endgehäuse, Bauform K, 90°, für wärmeschrumpfende Bauteile, Schirmanschluß, abgedichtet, selbstsichernd - Produktnorm

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

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 3660-035:2017) 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of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.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, 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 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 3645 (all parts), *Connectors, electrical, circular, scoop-proof, triple start threaded 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*

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

EN 3909, *Aerospace series — Test fluids and test methods for electrical and optical components and sub-assemblies*

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* All its parts quoted in this European Standard.

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

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

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/

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