SLOVENSKI STANDARD
SIST EN 3660-025:2014

01-januar-2014

Nadomešča:
SIST EN 3660-025:2009

Aeronavtika - Dodatki za okrogle in pravokotne električne in optične konektorje - 025. del: Kabelska spojka, tip A, ravna, netesnjena, z držalom za spojko za EN 3646 - Standard za izdelek

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 025: Cable outlet, style A, straight, unsealed, with cable tie strain relief for EN 3646 - Product standard

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund- und Rechtecksteckverbinder - Teil 025: Endgehäuse, Bauform A, gerade, nicht abgedichtet, mit Arm für Kabelbinder für EN 3646 - Produktnorm

Série aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 025: Raccord, droit, type A, non étanche, avec tenue du câble par frettage pour EN 3646 - Norme de produit

Ta slovenski standard je istoveten z: **EN 3660-025:2013**

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

SIST EN 3660-025:2014 **en**

EUROPEAN STANDARD
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EUROPÄISCHE NORM

EN 3660-025

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Supersedes EN 3660-025:2009

English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 025: Cable outlet, style A, straight, unsealed, with cable tie strain relief for EN 3646 - Product standard

Série aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 025: Raccord, droit, type A, non étanche, avec tenue du câble par frettage pour EN 3646 - Norme de produit

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This European Standard was approved by CEN on 27 October 2012.

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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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 3660-025:2013) 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 July 2013, and conflicting national standards shall be withdrawn at the latest by July 2013.

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 3660-025:2009.

According to the CEN/CENELEC Internal Regulations, the national standards organisations 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 defines a range of cable outlets, straight, style A, for use under the following conditions:

Associated electrical connector(s) : EN 3660-002

Temperature range, Class A : – 65 °C to 200 °C

Class N : – 65 °C to 200 °C

Class W : – 65 °C to 175 °C

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 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 3660-036, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 036: Spacer pad for cable outlet, style Z — Product standard*

3 Terms and definitions

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

4 Characteristics

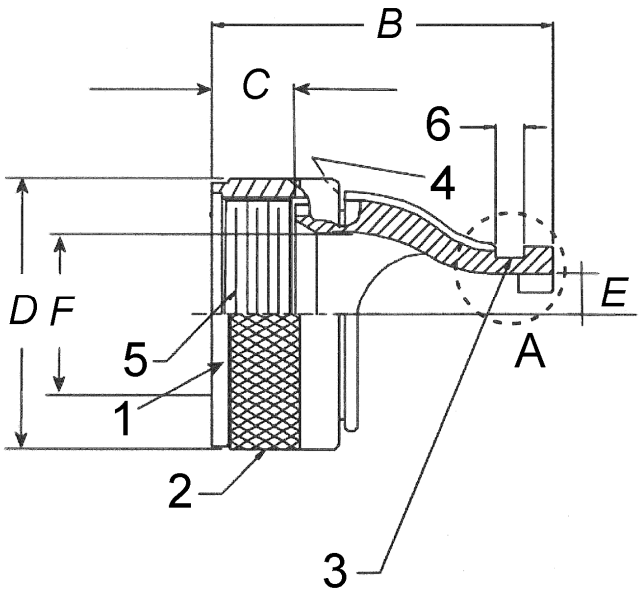
4.1 Dimensions and mass

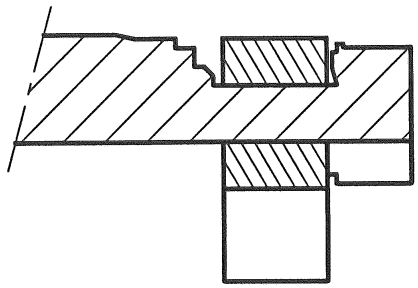
For dimensions and mass, see Figure 1 and Table 1.

For interface dimensions, see 4.3.

All dimensions are in millimetres.

* All parts quoted in this standard.





Detail A

Key

1 Area for marking (see Clause 6)
2 Knurled, manufactures option
3 Area for cable tie or lacing cord
4 Three off wire lock holes equi-spaced for 0,8 mm max. diameter wire
5 *A*-Thread (see Table 1)
6 6,0 nom.

Figure 1

Table 1

Shell size	*A* Thread Class 2B Inches	*B* max. mm	*C* [a] 0 / – 0,56 mm	*D* max. mm	*E* Radius ± 0,8 mm	*F* ± 0,8 mm	Mass without spacer pad Classes A, N and W max. g
08	0.500-20UNF	30,3	7,75	15,7	2,1	6,9	4,8
10	0.625-24UNEF			18,7	2,9	9,5	6,4
12	0.750-20UNEF	31,8		21,8	3,8	12,9	7,5
14	0.875-20UNEF	36,4		25,0	4,8	14,9	9,2
16	1.000-20UNEF			28,3	5,7	18,0	11,2
18	1.063-18UNEF	38,1		31,0	7,2	20,0	12,7
20	1.188-18UNEF	41,4		34,2		23,2	14,8
22	1.313-18UNEF	44,5		37,3	7,8	26,4	18,1
24	1.438-18UNEF	47,8		40,5	8,9	29,3	19,3

[a] "*C*" dimension is taken when the coupling nut is pulled in forward position.

4.2 Component parts

Spacer pad, see EN 3660-036.

4.3 Interface dimensions

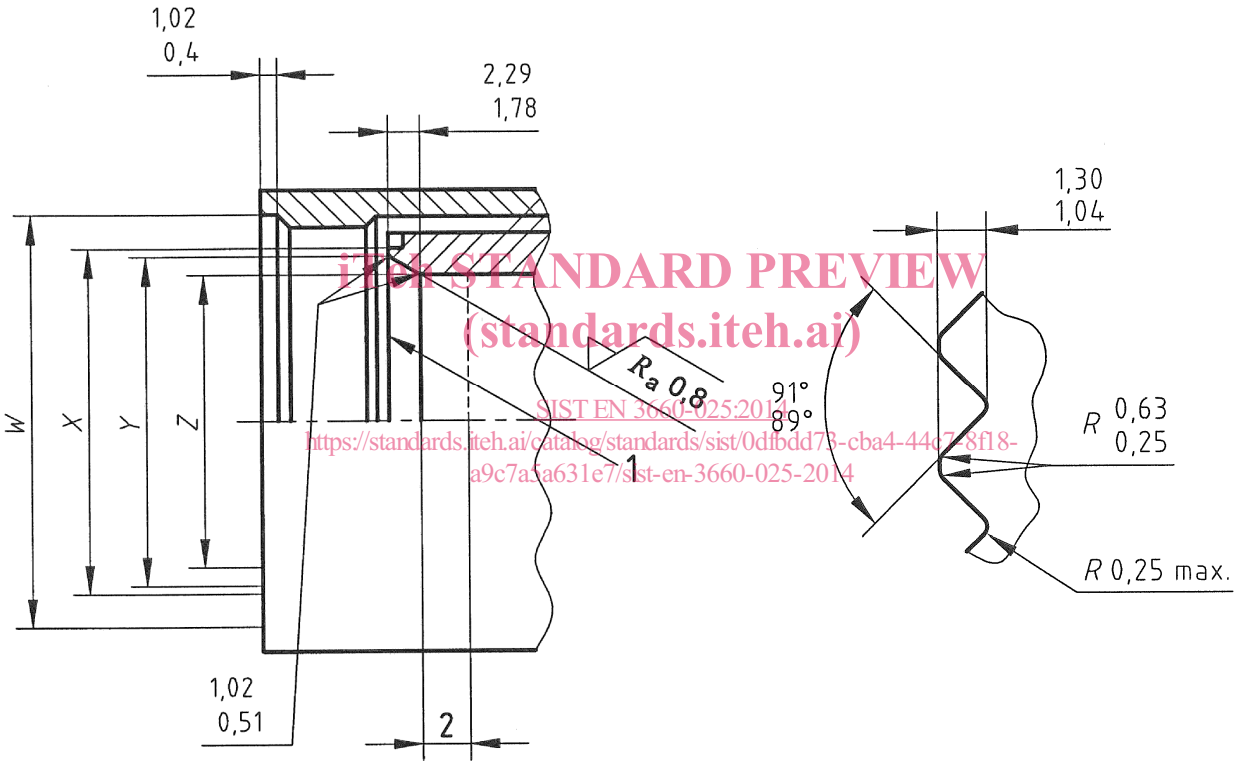
4.3.1 Associated connectors

See EN 3660-002.

4.3.2 Interface

See Figures 2 and 3 and Table 2.

All dimensions are in millimetres.



Key

1 N number of teeth, see Table 2.

2 4,95 mm min. penetration of Z diameter measured from front of teeth.

Figure 2 **Figure 3**

Table 2

Shell size	*W* + 0,64 0 mm	*X* 0 − 0,38 mm	*Y* + 0,38 0 mm	*Z* 0 − 0,25 mm	*N* **Number of teeth**
08	12,70	9,14	7,59	6,86	12
10	15,88	12,55	11,00	9,53	15
12	19,05	15,49	13,94	12,98	21
14	22,23	18,67	17,12	14,86	24
16	25,40	21,84	20,29	18,03	30
18	26,97	23,27	22,07	20,04	33
20	30,18	26,44	25,25	23,22	36
22	33,32	29,62	28,42	26,39	39
24	36,53	32,79	31,60	29,31	42

4.4 Material and finish

Cable outlet: Material/Finish Class A : Aluminium/black anodized

Material/Finish Class N : Aluminium/electroless nickel plated

Material/Finish Class W : Aluminium/olive drab cadmium plated

4.5 Assembly torque

These torque values are intended for installation use only. See Table 3.

Table 3

Shell size	**Torque** Nm ± 0,5
08	4,5
10	
12	
14	
16	
18	
20	9,0
22	
24	