SLOVENSKI STANDARD
SIST EN 3645-006:2015

01-junij-2015

Nadomešča:
SIST EN 3645-006:2009

Aeronavtika - Konektorji, električni, okrogli, zaščiteni kontakt, hitra spojka z navojem, stalna delovna temperatura /med/ 175 °C ali /in/ 200 °C - 006. del: Zaščitna kapa - Standard za proizvod

Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Protective cover for receptacle - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, dreigängige Gewinde-Schnellkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 006: Schutzkappe für festen Steckverbinder - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à contacts protégés, à accouplement par filetage à pas rapide à trois filets, températures d'utilisation 175 °C ou 200 °C continu - Partie 006 : Bouchon de vol pour embase - Norme de produit

Ta slovenski standard je istoveten z: **EN 3645-006:2015**

ICS:

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

SIST EN 3645-006:2015 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3645-006

April 2015

ICS 49.060

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English Version

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This European Standard was approved by CEN on 5 December 2014.

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

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

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Foreword

This document (EN 3645-006:2015) 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 October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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 3645-006:2006.

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

1 Scope

This European Standard specifies the characteristics of protective covers for receptacles in the family of circular electrical connectors with triple start threaded coupling.

It applies to models in Table 2.

For receptacles, see EN 3645-003, EN 3645-004, EN 3645-005, EN 3645-009 and EN 3645-010 respectively.

These connectors are derived from and interchangeable with models W, F, K and Z in MIL-DTL-38999/33.

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 3645-001, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification*

EN 3645-002, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 002: Specification of performance and contact arrangements*

EN 3645-003, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 003: Receptacle square flange mounting — Product standard*

EN 3645-004, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 004: Receptacle, hermetic, square flange mounting — Product standard*

EN 3645-005, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 005: Receptacle, hermetic, round flange, brasage mounting — Product standard*

EN 3645-009, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 009: Receptacle, round flange, jam nut mounting — Product standard*

EN 3645-010, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 010: Receptacle, hermetic, round flange, jam nut mounting — Product standard*

MIL-DTL-38999/33, *Connector, electrical, circular, cover, protective, receptacle, series III, metric* [1)]

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3645-001 apply.

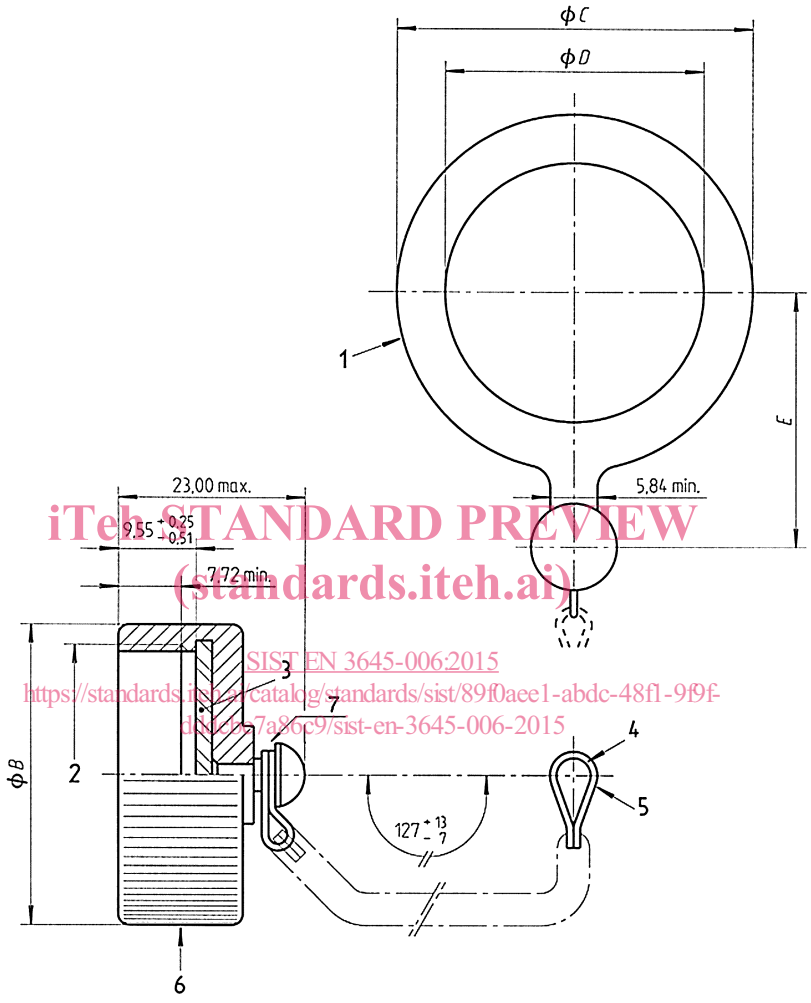
1) Published by: DoD National (US) Mil. Department of Defense. http://www.defenselink.mil/

4 Required characteristics

4.1 Dimensions and mass

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres.



Key

1 Attachment type with ring, see Table 4.
2 Internal thread *A*
3 Sealing gasket shall be bonded or mechanically retained in protective cover
4 Eyelet hole diameter $4{,}24\ ^{+\,0{,}25}_{-\,0{,}13}$
5 Attachment type with eyelet, see Table 4.
6 Milling or knurling
7 Fastener – Stainless steel (chain or rope shall rotate freely on the fastener)

Figure 1 — Receptacle protective cover

Table 1 — Receptacle protective cover – Dimensions

Shell size	*A* thread Internal thread – Class 2B Internal diameter		Diameter on side		Diameter at thread end		*B*	*C*	*D*	*E*		Mass g max.	
	min.	max.	min.	max.	min.	max.	max.	max.	min.	min.	max.	Models W, F and Z Aluminium	Model K Stainless steel
09	14,71	14,96	15,21	15,46	15,97	16,38	23,00	27,00	17,64	18,00	21,00	11	33
11	17,88	18,14	18,38	18,64	19,15	19,55	28,00	32,00	21,97	18,50	22,50	13	37
13	21,06	21,31	21,56	21,81	22,32	22,73	31,00	37,00	25,12	23,50	25,00	15	44
15	24,23	24,49	24,73	24,99	25,50	25,90	32,00	40,00	29,92	25,00	31,00	17	49
17	28,63	28,94	29,29	29,60	30,26	30,77	37,00	44,00	32,00	26,50	32,50	19	54
19	30,22	30,53	30,88	31,19	31,85	32,35	39,00	46,00	36,27	28,00	34,00	21	61
21	33,40	33,70	34,06	34,36	35,02	35,53	42,00	49,00	38,25	30,00	35,50	25	72
23	36,57	36,88	37,23	37,54	38,20	38,70	45,00	54,00	42,62	31,50	37,50	27	76
25	39,75	40,05	40,41	40,71	41,37	41,88	49,00	56,00	44,45	33,00	39,00	30	87

4.2 Materials and surface treatment

See Table 2.

4.3 Electrical, mechanical and climatic characteristics

See EN 3645-002.

5 Designation

EXAMPLE

Description block	Identity block
PROTECTIVE COVER ELECTRICAL CONNECTOR	EN3645-W3A7

Number of the basic standard

Model (see Table 2)

Protective cover code for receptacle (see EN 3645-002)

Shell size code (see Table 3)

Type of attachment (see Table 4)

NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.