

SLOVENSKI STANDARD

SIST EN 3646-007:2015

01-september-2015

Nadomešča:

SIST EN 3646-007:2009

Aeronavtika - Konektorji, električni, okrogli, bajonetno sklapljanje, stalna delovna temperatura 175 °C ali 200 °C - 007. del: Neprepustna podlaga z okroglo, varjeno ali spajkano prirobnico - Standard za proizvod

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 007: Receptacle, hermetic, round flange, welding or brazing mounting - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 007: Hermetischer fester Steckverbinder mit rundem Schweiß- oder Lötflansch - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à accouplement par baïonnettes, température d'utilisation 175 °C ou 200 °C continu - Partie 007 : Embase hermétique, à collerette ronde, à fixation par soudure ou brasure - Norme de produit

Ta slovenski standard je istoveten z: EN 3646-007:2015

ICS:

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

SIST EN 3646-007:2015

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3646-007:2015

<https://standards.iteh.ai/catalog/standards/sist/e1cdc76b-4bca-4dd8-b710-cfb8665130ee/sist-en-3646-007-2015>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3646-007

May 2015

ICS 49.060

Supersedes EN 3646-007:2006

English Version

**Aerospace series - Connectors, electrical, circular, bayonet
coupling, operating temperature 175 °C or 200 °C continuous -
Part 007: Receptacle, hermetic, round flange, welding or brazing
mounting - Product standard**

Série aérospatiale - Connecteurs électriques circulaires à
accouplement par baïonnettes, température d'utilisation 175
°C ou 200 °C continu - Partie 007: Embase hermétique, à
colerette ronde, à fixation par soudure ou brasure - Norme
de produit

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit
Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C
konstant - Teil 007: Hermetischer fester Steckverbinder mit
rundem Schweiß- oder Lötflansch - Produktnorm

This European Standard was approved by CEN on 10 January 2015.

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, 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

Contents

	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
5 Designation	7
6 Marking	7
7 Technical specification	7

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 3646-007:2015](https://standards.iteh.ai/catalog/standards/sist/e1cdc76b-4bca-4dd8-b710-cfb8665130ee/sist-en-3646-007-2015)
<https://standards.iteh.ai/catalog/standards/sist/e1cdc76b-4bca-4dd8-b710-cfb8665130ee/sist-en-3646-007-2015>

Foreword

This document (EN 3646-007:2015) 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 November 2015, and conflicting national standards shall be withdrawn at the latest by November 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 3646-007:2006.

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.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3646-007:2015

<https://standards.iteh.ai/catalog/standards/sist/e1cdc76b-4bca-4dd8-b710-cfb8665130ee/sist-en-3646-007-2015>

EN 3646-007:2015 (E)**1 Scope**

This European Standard defines the characteristics of hermetic receptacle with round flange attached by welding or brazing in the family of bayonet coupling circular connectors, intended for use in an operating temperature range of – 65 °C to 175 °C or 200 °C continuous.

It applies to models defined in Table 3.

For plugs and protective covers see EN 3646-008 and EN 3646-009 respectively.

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 3646-001, *Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 001: Technical specification*

EN 3646-002, *Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 002: Specification of performance and contact arrangements*

EN 3646-008, *Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 008: Plug - Product standard*

EN 3646-009, *Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 009: Protective cover for receptacle - Product standard*

3 Terms and definitions

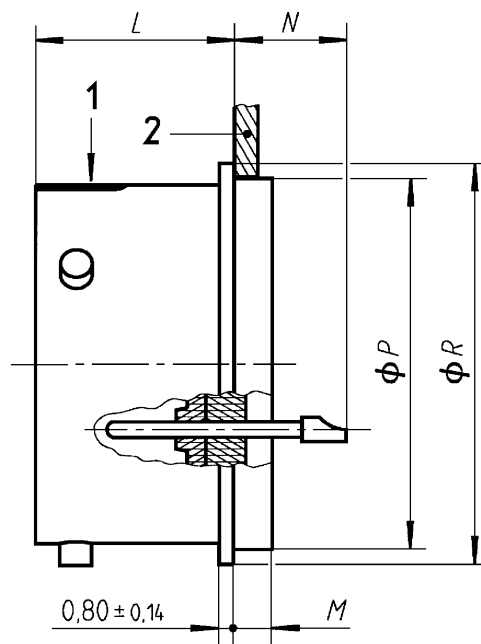
For the purposes of this document, the terms and definitions given in EN 3646-001 apply.

4 Required characteristics**4.1 Dimensions and mass**

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres, they apply after surface treatment.

Interface mating dimensions, see EN 3646-001.

**Key**

- 1 Polarizing strip optional
colour
- 2 Panel

STANDARD PREVIEW
(standards.iteh.ai)

Figure 1

SIST EN 3646-007:2015

<https://standards.iteh.ai/catalog/standards/sist/e1cdc76b-4bca-4dd8-b710-cfb8665130ee/sist-en-3646-007-2015>

Table 1

Housing size	L	M	N	$\varnothing P$	$\varnothing R$	Mass g
	$\pm 0,5$	$\pm 0,15$	max.	+ 0,02 - 0,13	max.	max.
08	11,50	2,40	10	14,27	16,10	5
10				17,07	19,30	8
12				19,84	21,70	12
14				23,01	24,90	15
16				26,19	28,10	18
18				29,36	31,20	24
20	13,50	3,20	11	31,75	33,80	28
22				34,92	36,80	34
24	13,90			38,10	40,00	46

EN 3646-007:2015 (E)

4.2 Panel cut-out

Recommended panel cut-out dimensions: see Figure 2 and Table 2.

Dimensions and tolerances are in millimetres.

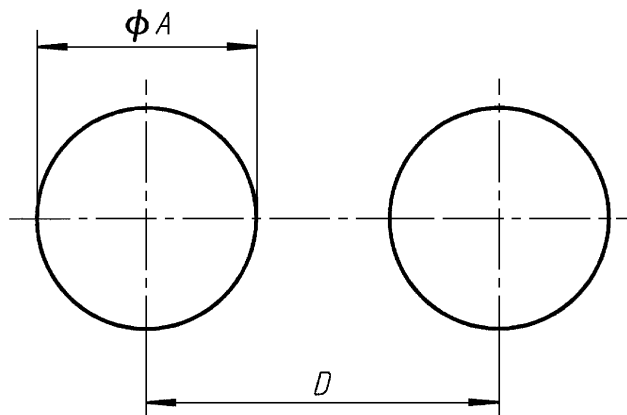


Figure 2

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Table 2

Housing size	$\varnothing A$ +0,25 0	D min.
08	14,79	32
10	17,59	35
12	20,36	38
14	23,53	41
16	26,71	45
18	29,88	47
20	32,27	51
22	35,42	53
24	38,60	57

4.3 Material and surface treatment

See Table 3.

4.4 Main general characteristics

See EN 3646-002.

4.5 Possible combinations of plugs and receptacles

See EN 3646-002.