



SLOVENSKI STANDARD
SIST EN 3716-005:2009
01-september-2009

Aeronavtika - Konektorji, enosmerni, triaksialni, za digitalni prenos podatkov - 005.
del: Spojnik, prešani (stisnjeni) - Standard za proizvod

Aerospace series - Connector, single-way with triaxial interface, for transmission of digital data - Part 005: Crimp receptacle - Product standard

Luft- und Raumfahrt - Steckverbinder, triaxial für digitale Datenübertragung in einer Richtung - Teil 005: Fester Steckverbinder, crimpbar - Produktnorm

Série aérospatiale - Connecteur, monovoie, avec interface triaxiale, pour transmission de données numériques - Partie 005 : Embase à sertir - Norme de produit

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>

Ta slovenski standard je istoveten z: EN 3716-005:2006

ICS:

49.060 Štejni električni oprema in sistemi za letalstvo
 Aerospace electric equipment and systems

SIST EN 3716-005:2009

en,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3716-005:2009

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>

EUROPEAN STANDARD

EN 3716-005

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2006

ICS 49.060

English Version

Aerospace series - Connector, single-way with triaxial interface,
for transmission of digital data - Part 005: Crimp receptacle -
Product standard

Série aérospatiale - Connecteur, monovoie, avec interface
triaxiale, pour transmission de données numériques - Partie
005 : Embase à sertir - Norme de produit

Luft- und Raumfahrt - Steckverbinder, triaxial für digitale
Datenübertragung in einer Richtung - Teil 005: Steckdose,
Crimpbar - Produktnorm

This European Standard was approved by CEN on 28 August 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 3716-005:2009](https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009)

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>

Foreword

This document (EN 3716-005:2006) 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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 3716-005:2009](https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009)

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>

EN 3716-005:2006 (E)

1 Scope

This standard specifies the requirements and assembly instructions for crimp receptacles, with braid terminaison, having either a male or female contact, used according to EN 3716-002 on cables conforming to EN 3375-003, EN 3375-004 or EN 3375-005.

This standard is intermateable with EN 3716-004 and EN 3716-006.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 3375-003, *Aerospace series — Cable, electrical, for digital data transmissions — Part 003: Cable, bifilar, single-braid — Product standard.* ¹⁾

EN 3375-004, *Aerospace series — Cable, electrical, for digital data transmissions — Part 004: Cable, bifilar, double-braid — Product standard.* ¹⁾

EN 3375-005, *Aerospace series — Cable, electrical, for digital data transmissions — Part 005: Cable, bifilar, double-braid, high immunity — Product standard.* ¹⁾

EN 3716-001, *Aerospace series — Connector, single-way with triaxial interface, for transmission of digital data — Part 001: Technical specification.*

EN 3716-002, *Aerospace series — Connector, single-way with triaxial interface, for transmission of digital data — Part 002: Conditions of use and list of product standards.*

EN 3716-004, *Aerospace series — Connector, single-way with triaxial interface, for transmission of digital data — Part 004: Solder plug — Product standard.*

EN 3716-006, *Aerospace series — Connector, single-way with triaxial interface, for transmission of digital data — Part 006: Crimp plug — Product standard.*

MIL-DTL-22520, *Crimping tools, wire termination, general specification for.* ²⁾

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3716-001 apply.

1) Published as ASD Prestandard at the date of publication of this standard.

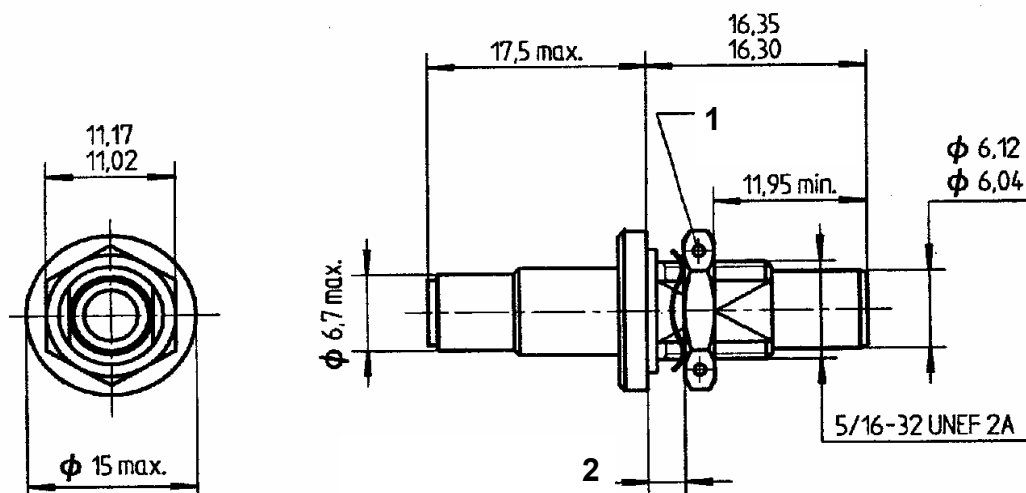
2) Published by: Department of Defense (DOD), The Pentagon, Washington D.C. 20301, USA.

4 Required characteristics

4.1 Dimensions and mass

4.1.1 Dimensions

See Figure 1.



iTeh STANDARD PREVIEW
(standards.iteh.ai)

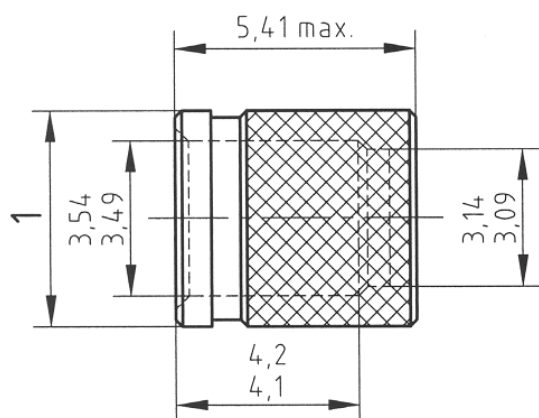
Key

- 1 2 holes \varnothing 1 min.
- 2 Panel 1,9 max.

SIST EN 3716-005:2009

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-3716-005-2009>

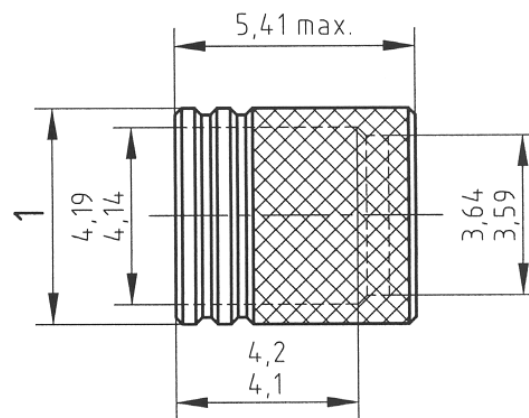
Figure 1



Key

- 1 4,91 on knurling
4,86

Figure 2 — Ferrule for cable group A



Key

- 1 4,91 on knurling
4,86

Figure 3 — Ferrule for cable group B

EN 3716-005:2006 (E)**4.1.2 Mass**

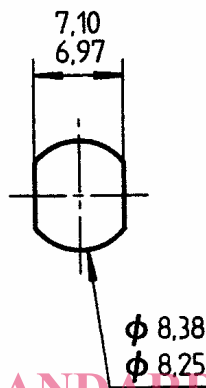
10 g max.

4.2 Torque of jam nut

1,13 N.m to 1,7 N.m.

4.3 Panel cut out

See Figure 4.



iTeh STANDARD PREVIEW
(standards.iteh.ai)

Figure 4

[SIST EN 3716-005:2009](https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009)

<https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009>

4.4 Material and surface treatment

See EN 3716-001.

4.5 Main general characteristics

— Temperature class:	– 65 °C to 150 °C
— Maximum current:	3 A
— Insulation resistance:	5 000 M Ω min.
— Voltage strength:	900 V r.m.s at sea level
— Contact resistance:	8 m Ω max.
— Coupling torque:	1,13 N.m max.
— Insertion force:	14 N max.
— Retention force of wired contact:	9 N min.
— Mating and unmating cycles:	500 cycles
— Salt spray:	500 h

4.6 Plug and receptacle combination options

This receptacle mates with a plug conforming to EN 3716-004 or EN 3716-006 equipped with a contact of the opposite gender.

X = type of contact

F = female contact

M = male contact

5 Technical specification

See EN 3716-001.

6 Designation

EXAMPLE

	Description block	Identity block
	RECEPTACLE	EN3716-005F1
Number of this standard:	SIST EN 3716-005:2009	
Type of contact:	F = female M = male	(standards.iteh.ai)
Type of cable: see EN 3716-001	SIST EN 3716-005:2009 https://standards.iteh.ai/catalog/standards/sist/43efd788-d72f-4bc7-ad02-719ccbdd1c04/sist-en-3716-005-2009	

7 Marking

See Figure 1.

On the nut:

- manufacturer identification
- yy-ww (year-week)

8 Assembly instructions

8.1 Tooling

Crimping tools

Conform to MIL-DTL-22520, see Table 1.

These selector numbers given in Table 1 shall be used for qualification of the contacts and in service, unless otherwise specified by the user.