
5 YfcbUj h_U'!'?cbY_lcf1žYY_hf] b]žc_fc[`]žnUý]hYb]_cbHU_lž\]hfUgdc^_Un
bUj c^Ya žghU bUXYcj bUHya dYfUhi fUa YX'%a) š7 `]b`&\$\$ š7 `!\$\$, "XY.NUý]fbU
_UdUnUdfcgh]j h] `!GHUbXUFX'nUdfc]nj cX

Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 008: Non release plug with grounding ring - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, Drei-gangige Gewinde-Schnellkupplung, Dauerbetriebstemperaturen 175 °C oder 200 °C - Teil 008: Schutzkappe für freien Steckverbinder - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à contacts protégés, a accouplement par filetage a pas rapide a trois filets, températures d'utilisation 175 °C ou 200 °C continu - Partie 008 : Fiche non largable avec bague de blindage - Norme de produit

Ta slovenski standard je istoveten z: EN 3645-008:2007

ICS:

49.060

SIST EN 3645-008:2008

en

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ICS 49.060

English Version

**Aerospace series - Connectors, electrical, circular, scoop-proof,
triple start threaded coupling, operating temperature 175 °C or
200 °C continuous - Part 008: Non release plug with grounding
ring - Product standard**

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 008 : Fiche non largable avec bague de blindage - Norme de produit

Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, Drei-gangige Gewinde-Schnellkupplung, Dauerbetriebstemperaturen 175 °C oder 200 °C - Teil 008: Schutzkappe für freien Steckverbinder - Produktnorm

This European Standard was approved by CEN on 28 September 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 CEN 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 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

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

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Foreword

This document (EN 3645-008:2007) 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 April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

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, Bulgaria, 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.

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<https://standards.iteh.ai/catalog/standards/sist/45284838-1840-4348-bb56-d73afa961ef0/sist-en-3645-008-2008>

1 Scope

This standard specifies the characteristics of plugs with shielding rings in the family of circular, electrical connectors, with triple start threaded coupling.

It applies to models in Table 3.

For contacts, filler plugs and rear accessories associated with this plug, see EN 3645-002.

For receptacles and protective covers, see EN 3645-003, EN 3645-004, EN 3645-005, EN 3645-007, EN 3645-009 and EN 3645-010 respectively.

These connectors are derived from and interchangeable with models W, F, J, M and K in specification MIL-DTL-38999/26.

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 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 3645-007, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 007: Protective cover for plug — 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-38999/26, *Connectors, electrical, plug, circular, threaded, straight, removable crimp contacts, series III, metric.* ¹⁾

1) Published by: Department of Defence (DoD), The Pentagon, Washington D.C. 20301 USA.

3 Terms and definitions

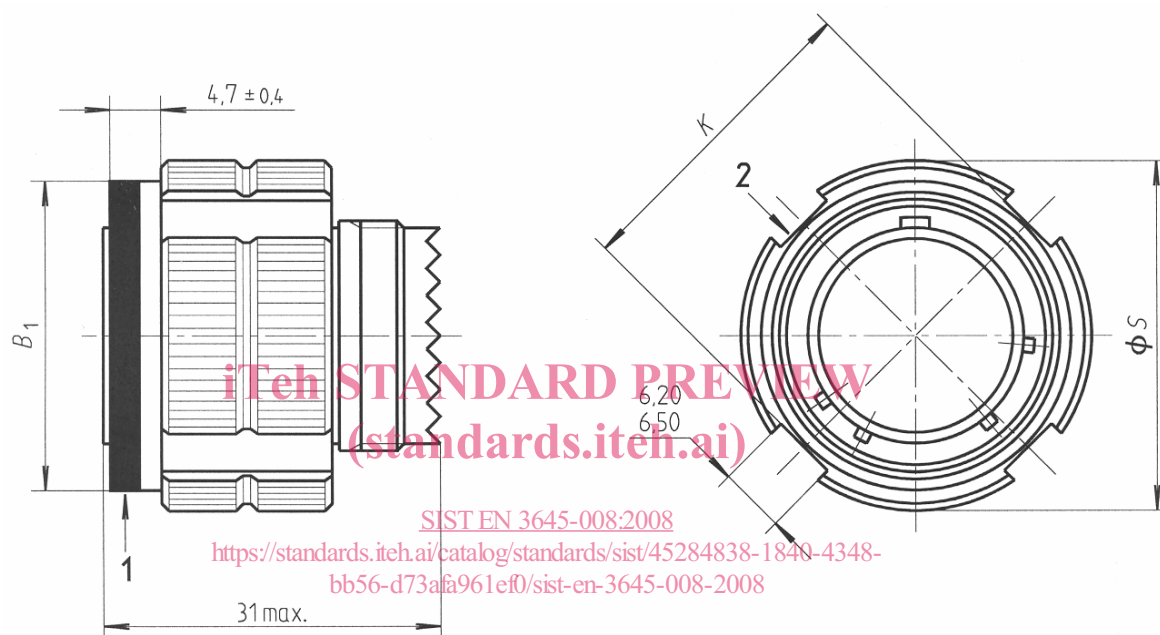
For the purposes of this document, the terms and definitions given in EN 3645-001 apply.

4 Required characteristics

4.1 Dimensions and mass

See Figures 1, 2 and Table 1.

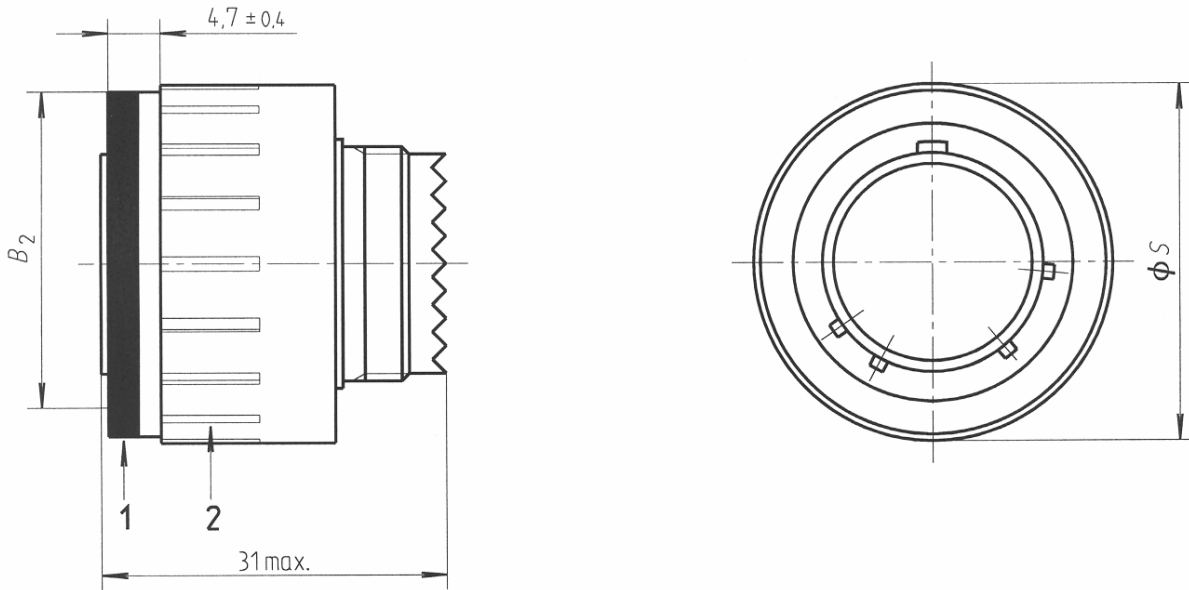
Dimensions and tolerances are in millimetres.



Key

- 1 Blue strip
- 2 H number of flats

Figure 1 — Plug



Key

- 1 Blue strip
- 2 J number of slots

Figure 2 — Plug — Optional form for Models J and M

Table 1 — Plug — Dimensions

Shell size	B_1 + 0,20 0	B_2 max.	H	SIST EN 3645-008:2008			Mass without contacts		
				J	K	S	Models W, F	Model K	Models J, M
09	18,40	20,60	4	12	19,00	21,80	15	32	9
11	21,10	23,60		14	21,90	25,00	20	41	15
13	25,40	28,20		16	26,10	29,40	27	57	21
15	28,70	31,30		18	29,30	32,50	34	69	25
17	32,20	34,50		20	32,80	35,70	37	72	29
19	34,90	37,30	8	22	35,50	38,50	48	94	38
21	38,10	40,50		24	38,70	41,70	55	105	42
23	41,10	43,70		26	41,70	44,90	67	117	51
25	44,30	46,80		28	44,90	48,00	71	121	57

4.2 Materials and surface treatment

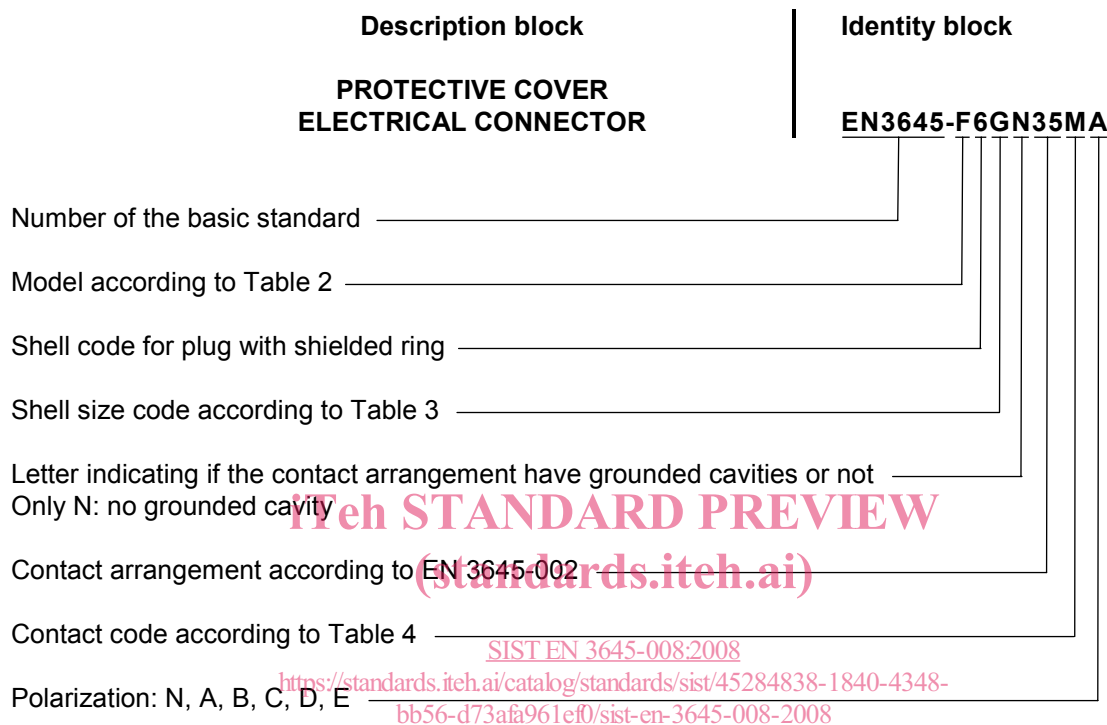
See Table 2.

4.3 Electrical, mechanical and climatic characteristics

See EN 3645-002.

5 Designation

EXAMPLE



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

Table 2 — Model coding

Model	Description
W	Sealed plugs, with shell in cadmium-plated aluminium alloy, olive green – Salt spray resistance 500 h – Plug with shielding ring – Crimped contacts – Maximum operating temperature 175 °C continuous
J	Sealed receptacles and plugs, with shell in cadmium-plated plastic composite, olive green – Salt spray resistance 2 000 h – Plug with shielding ring – Crimped contacts – 1 500 operations – Maximum operating temperature 175 °C continuous
K	Sealed receptacles, with shell in passivated stainless steel – Salt spray resistance 500 h – Plug with shielding ring – Fire resistant – Crimped contacts – Maximum operating temperature 200 °C continuous
F	Sealed plugs, with shell in nickel-plated aluminium alloy – Crimped contacts – Plug with shielding ring – Maximum operating temperature 200 °C continuous
M	Sealed plugs, with shell in nickel-plated plastic composite – Salt spray resistance 2 000 h – Plug with shielding ring – Crimped contacts – 1 500 operations – Maximum operating temperature 200 °C continuous