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Irish Standard
I.S. EN 4645-003:2009

Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 003: Square flange receptacle - Product standard

I.S. EN 4645-003:2009

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i>	<i>This document is based on:</i> EN 4645-003:2009	<i>Published:</i> 4 November, 2009
This document was published under the authority of the NSAI and comes into effect on: 27 November, 2009		ICS number: 49.060
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ICS 49.060

English Version

**Aerospace series - Connectors, optical, circular, single and
multipin, coupled by threaded ring, self-locking 1,25 mm
diameter ferrule with removable alignment sleeve holder - Part
003: Square flange receptacle - Product standard**

Série aérospatiale - Connecteurs optiques circulaires à
accouplement par bague filetée, auto-freinante ferrule 1,25
mm, équipés d'un porte manchon démontable - Partie 003:
Embase à fixation par collerette carrée - Norme produit

Luft- und Raumfahrt - Optische Rundsteckverbinder mit
Schraubkupplung, selbstsichernd Ferrulendurchmesser
1,25 mm, demontierbarer Zentrierhülsenhafter - Teil 003:
Fester Steckverbinder mit quadratischem Montageflansch -
Produktnorm

This European Standard was approved by CEN on 3 October 2009.

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
4.1 Dimensions and masses	4
4.2 Material and surface treatment.....	6
4.3 Panel cut-out	6
4.4 Optical, mechanical and climatic characteristics.....	6
5 Designation	6
6 Marking	6
7 Technical specification	6
8 Quality	6

Foreword

This document (EN 4645-003:2009) 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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

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1 Scope

This European Standard specifies the characteristics of mounted square flange receptacles in the family of circular connectors with triple start threaded coupling.

2 Normative references

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

EN 2424:2008, *Aerospace series — Marking of aerospace products*

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

EN 4639-101, *Aerospace series — Connectors, optical, rectangular, modular, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder — Part 101: Optical contact for cable EN 4641-100 — Operating temperatures between - 65 °C and 125 °C — Product standard*

EN 4639-102, *Aerospace series — Connectors, optical, rectangular, modular, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder — Part 102: Optical contact for cable EN 4641-102 — Operating temperature between - 55 °C and 100 °C — Product standard*

EN 4645-001:2009, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder — Part 001: Technical specification* ¹⁾

EN 4645-002:2009, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder — Part 002: Specification of performance and contact arrangements* ¹⁾

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4645-001:2009 apply.

4 Required characteristics

4.1 Dimensions and masses

See Figure 1 and Table 1. Dimensions and tolerances are in millimetres.

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

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