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Irish Standard
I.S. 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

I.S. EN 4645-002:2009

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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 002: Specification of performance and contact arrangements

Série aérospatiale - Connecteurs optiques circulaires à accouplement par bague fileté, auto-freinante ferrule 1,25, équipés d'un porte sleeve démontable - Partie 002 :
Spécification de performances et arrangements des contacts

Luft- und Raumfahrt - Optische Rundsteckverbinder mit Schraubkupplung, selbstsichernd, Einzel- und Multipin, Ferrulendurchmesser 1,25 mm, demontierbarer Zentrierhülsenhafter - Teil 002: Leistungsdaten und Kontaktanordnungen

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Description and codification of models	5
5 Operating conditions.....	5
6 Combinations of plug and receptacle shells	5
6.1 Permissible cables.....	6
6.2 Contact designation and coding.....	6
6.3 Material of the sleeves	6
6.4 Climatic conditions.....	7
6.5 Mechanical conditions	7
7 Type codes	7
8 Polarization.....	7
9 Housing sizes and contact arrangements	8
10 Filler plugs.....	13
11 Tooling	13
12 Assembly and termination instructions	13
13 Cleaning instructions	13

Foreword

This document (EN 4645-002:2009) 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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.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 defines the performance and contact arrangements of circular optical connectors, coupled by triple start threaded ring.

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 4529-002, *Aerospace series — Elements of electrical and optical connection — Sealing plugs — Part 002: Index of product standards.*

EN 4641-100, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 100: Product standard — 62,5/125 µm GI fibre 1,8 mm — Outside diameter — Tight structure construction.* ¹⁾

EN 4641-101, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 101: 0,9 mm outside diameter — Product standard.* ¹⁾

EN 4641-102, *Aerospace series — Cables, optical 125 µm outside diameter cladding — Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter — 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.* ²⁾

EN 4645-003, *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.*

EN 4645-004, *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 004: Jam nut receptacle — Product standard.*

EN 4645-005, *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 005: Plug — 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 152 °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 temperatures between - 55 °C and 100 °C — Product standard.*

1) In preparation at the date of publication of this standard.

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

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