

# **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  $-65\text{ }^{\circ}\text{C}$  and  $125\text{ }^{\circ}\text{C}$  — Product  
standard**

ICS 49.060

# National foreword

This British Standard is the UK implementation of EN 4639-101:2007.

The UK participation in its preparation was entrusted by Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology, to Panel ACE/6/-/3, Aerospace — Connectors.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 February 2008

© BSI 2008

ISBN 978 0 580 56485 7

## Amendments/corrigenda issued since publication

| Date | Comments |
|------|----------|
|      |          |
|      |          |
|      |          |
|      |          |
|      |          |

English Version

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

Série aérospatiale - Connecteurs optiques rectangulaires,  
modulaires multicontacts, fêrûle 1,25, équipés d'un porte  
sleeve démontable - Partie 101 : Contact optique pour  
câble EN 4641-100 - Températures de fonctionnement  
comprises entre - 65 °C et 125 °C - Norme de produit

Luft- und Raumfahrt - Optischer Rechtecksteckverbinder,  
modular, Mehrfachkontakt, Ferrulendurchmesser 1,25 mm,  
demontierbarer Zentrierhûsenhalter - Teil 101: Optische  
Kontakt für EN 4641-100 Kabel - Betriebstemperaturen  
zwischen - 65 °C und 125 °C - Produktnorm

This European Standard was approved by CEN on 21 June 2007.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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 Fibre optic contact designation and dimensions..... | 4 |
| 3.1 Contact designation .....                         | 4 |
| 3.2 Contact dimensions.....                           | 4 |
| 3.3 Cable designation .....                           | 6 |
| 4 Technical specification .....                       | 6 |
| 5 Tests according to EN 2591 series .....             | 6 |
| 6 Assembly process instructions .....                 | 7 |
| 6.1 Cleaning instructions .....                       | 7 |
| 6.2 Tooling.....                                      | 7 |
| 6.3 Termination instructions.....                     | 7 |
| 7 Designation .....                                   | 8 |