BS EN 61754-6-100:2016

BSI Standards Publication

Fibre optic interconnecting devices and passive components — Fibre optic connector interfaces

Part 6-100: Type MU connector family — Simplified receptacle MU-PC connector interfaces

bsi.

...making excellence a habit.™

AVA Document Sharing Hub

Full document details: BS EN 61754-6-100:2016

National foreword

This British Standard is the UK implementation of EN 61754-6-100:2016. It is identical to IEC 61754-6-100:2015. It supersedes BS EN 61754-6-1:2003 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/2, Fibre optic interconnecting devices and passive components.

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.

© The British Standards Institution 2016.
Published by BSI Standards Limited 2016

ISBN 978 0 580 85899 4
ICS 33.180.20

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 31 March 2016.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS EN 61754-6-100:2016

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61754-6-100

March 2016

ICS 33.180.20

Supersedes EN 61754-6-1:2003

English Version

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6-100: Type MU connector family - Simplified receptacle MU-PC connector interfaces (IEC 61754-6-100:2015)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Interfaces de connecteurs à fibres optiques - Partie 6-100: Famille de connecteurs de type MU - Interfaces de connecteur MU-PC à embase simplifiée (IEC 61754-6-100:2015)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Steckgesichter von Lichtwellenleiter-Steckverbindern - Teil 6-100: Steckverbinderfamilie der Bauart MU - Steckgesichter von vereinfachten MU-PC-Anschlussbuchsen (IEC 61754-6-100:2015)

This European Standard was approved by CENELEC on 2015-12-10. CENELEC 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-CENELEC Management Centre or to any CENELEC 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 CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2016 CENELEC All rights of exploitation in any form and by any means reserved worldwide for CENELEC Members.

Ref. No. EN 61754-6-100:2016 E

AVA Documents Document Sharing Hub

Full document details: BS EN 61754-6-100:2016

European foreword

The text of document 86B/3939/FDIS, future edition 1 of IEC 61754-6-100, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61754-6-100:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-09-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-12-10

This document supersedes EN 61754-6-1:2003.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61754-6-100:2015 was approved by CENELEC as a European Standard without any modification.

Documents
Document Sharing Hub
Full document details: BS EN 61754-6-100:2016

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61300-3-22	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-22: Examinations and measurements - Ferrule compression force	EN 61300-3-22	-
IEC 61754-6	2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6: Type MU connector family	EN 61754-6	2013
IEC 61755-3-1	-	Fibre optic connector optical interfaces - Part 3-1: Optical interface, 2,5 mm and 1,25 mm diameter cylindrical full zirconia PC ferrule, single mode fibre	EN 61755-3-1	-

Documents
Document Sharing Hub
Full document details: BS EN 61754-6-100:2016

CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Description 5
4 Interfaces 6
4.1 General 6
4.2 Intermateability 6
4.3 Interfaces and dimensions 6
Annex A (informative) Example of an intermateable set including a simplified receptacle 12
Bibliography 13

Figure 1 – Simplified receptacle housing interface 7
Figure 2 – Pin gauge for adaptor 9
Figure 3 – Simplified plug interface 10
Figure A.1 – Example of an intermateable set including a simplified receptacle 12

Table 1 – Intermateability of the interface 6
Table 2 – Dimensions of the simplified receptacles housings interface 8
Table 3 – Grade of the simplified receptacles housings interface 8
Table 4 – Pin gauge dimensions 9
Table 5 – Dimensions of the simplified plug interface 11
Table 6 – Grade of the simplified plug interface 11

Documents
Document Sharing Hub
Full document details: BS EN 61754-6-100:2016