



SLOVENSKI STANDARD

SIST EN 61754-34:2017

01-februar-2017

**Optični spojni elementi in pasivne komponente - Vmesniki optičnih konektorjev -
34. del: Družina konektorjev vrste URM (IEC 61754-34:2016)**

Fibre optic interconnecting devices and passive components - Fibre optic connector
interfaces - Part 34: Type URM connector family (IEC 61754-34:2016)

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Ta slovenski standard je istoveten z: **EN 61754-34:2016**
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| 33.180.20 | Povezovalne naprave za optična vlakna | Fibre optic interconnecting devices |
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EUROPEAN STANDARD

EN 61754-34

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2016

ICS 33.180.20

English Version

Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 34: Type URM connector family
(IEC 61754-34:2016)

Dispositifs d'interconnexion et composants passifs fibroniques -
Interfaces de connecteurs fibroniques -
Partie 34: Famille de connecteurs de type URM
(IEC 61754-34:2016)

Lichtwellenleiter - Verbindungselemente und passive Bauteile -
Steckgesichter von Lichtwellenleiter-Steckverbindern -
Teil 34: Steckverbinderfamilie der Bauart URM
(IEC 61754-34:2016)

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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

EN 61754-34:2016**European foreword**

The text of document 86B/3966/CDV, future edition 1 of IEC 61754-34, 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 61754-34:2016.

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) 2017-07-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-10-31

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

| | | |
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| IEC 60793-2-50 | NOTE | Harmonized as EN 60793-2-50. |
| ISO 1101 | NOTE | Harmonized as EN ISO 1101. |
| ISO 8015 | NOTE | Harmonized as EN ISO 8015. |

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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| IEC 60794-2-50 | - | Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies | EN 60794-2-50 | - |
| IEC 61754-1 | - | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces Part 1: General and guidance | EN 61754-1 | - |
| IEC 61755-3 | series | Fibre optic interconnecting devices and passive components - Connector optical interfaces | EN 61755-3 | series |

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 34: Type URM connector family

Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces de connecteurs fibroniques – Partie 34: Famille de connecteurs de type URM

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CONTENTS

| | |
|-------------------------------------------------------------------------------------------------|----|
| FOREWORD..... | 3 |
| INTRODUCTION..... | 5 |
| 1 Scope..... | 6 |
| 2 Normative references..... | 6 |
| 3 Terms and definitions | 6 |
| 4 Description..... | 6 |
| 5 Interfaces | 6 |
| 6 Two-way plug optical interface | 7 |
| 7 Eight-way plug optical interface..... | 13 |
| 8 Ferrule grade dimensions | 19 |
| 9 Two-way adaptor interface | 19 |
| 10 Eight-way adaptor interface | 22 |
| 11 Pin gauge for adaptor | 26 |
| Annex A (informative) Additional adaptor dimensional information..... | 28 |
| Bibliography | 30 |
| Figure 1 – Two-way plug connector interface..... | 9 |
| Figure 2 – Two-way plug connector ferrules..... | 10 |
| Figure 3 – Two-way plug connector APC angle..... | 11 |
| Figure 4 – Two-way plug connector interface alignment..... | 11 |
| Figure 5 – Eight-way plug connector interface..... | 15 |
| Figure 6 – Detail 01 of Figure 5 – expanded view drawings not to scale | 16 |
| Figure 7 – Eight-way plug connector interface APC angle | 17 |
| Figure 8 – Eight-way plug interface alignment | 17 |
| Figure 9 – Two-way adaptor interface..... | 21 |
| Figure 10 – Eight-way adaptor interface | 25 |
| Figure 11 – Pin gauge for adaptor | 27 |
| Figure A.1 – Outline dimensions – two-way adaptor..... | 28 |
| Figure A.2 – Outline dimensions – eight-way adaptor..... | 29 |
| Table 1 – Intermateability between plugs and adaptors interfaces defined in this document | 7 |
| Table 2 – Dimensions of the two-way plug connector interface..... | 12 |
| Table 3 – Dimensions of the eight-way plug connector interface | 18 |
| Table 4 – Plug connector interface – ferrule grade..... | 19 |
| Table 5 – Dimensions of the two-way adaptor interface..... | 22 |
| Table 6 – Dimensions of the eight-way adaptor interface | 26 |
| Table 7 – Dimensions of the pin gauge..... | 27 |
| Table A.1 – Outline dimensions – two-way adaptor | 28 |
| Table A.2 – Outline dimensions – eight-way adaptor..... | 29 |

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
FIBRE OPTIC CONNECTOR INTERFACES –**

Part 34: Type URM connector family

FOREWORD

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International Standard IEC 61754-34 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

| | |
|--------------|------------------|
| CDV | Report on voting |
| 86B/3966/CDV | 86B/3999A/RVC |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61754 series, published under the general title *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning IEC 61754-34.

IEC takes no position concerning the evidence, validity and scope of this patent right.

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ISO (www.iso.org/patents) and IEC (http://www.iec.ch/tctools/patent_decl.htm) maintain on-line data bases of patents relevant to their standards. Users are encouraged to consult the data bases for the most up to date information concerning patents.

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR INTERFACES –

Part 34: Type URM connector family

1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type URM family of connectors.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60794-2-50, *Optical fibre cables – Part 2-50: Indoor cables – Family specification for simplex and duplex cables for use in terminated cable assemblies*

IEC 61754-1, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 1: General and guidance*

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components – Connector optical interfaces*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Description

The parent connector for the type URM connector family is a duplex connector set of plug/adaptor/plug configuration which is characterized by a 1,25 mm nominal diameter ferrule. The plug connector includes two spring loaded ferrules in the direction of the optical axis. The plug also has a single male key, which may be used to orientate and limit the relative position between the connector and the adaptor to which it is mated. The optical alignment mechanism of the connectors is a resilient sleeve. Drawings and dimensions provided consist of those minimum features that are functionally critical during the mating and unmating sequences of the plug with its adaptor counterpart component.

5 Interfaces

General requirements defined in IEC 61754-1 shall be used for this document.