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**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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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 34: Type URM connector family

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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.

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INTRODUCTION

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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.

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- 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.