

Fibre optic connector interfaces —

Part 18: Type MT-RJ connector family

ICS 33.180.20

National foreword

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IEC-PAS 61754-18 has been processed by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

Following publication of this PAS, the technical committee or subcommittee concerned will investigate the possibility of transforming the PAS into an International Standard. Comments should be sent in writing to the Secretary of BSI Sub-committee GEL/86/2, Fibre optic interconnecting devices and passive components, at 389 Chiswick High Road, London W4 4AL, giving the document reference and clause number and proposing, where possible, an appropriate revision of the text.

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

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

Summary of pages

This document comprises a front cover, an inside front cover, the IEC PAS title page, IEC PAS contents page, page i, a blank page, pages 1 to 15, and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

This Draft for Development, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 September 2001

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 07-2001

IEC/PAS 61754-18

Edition 1.0
2001-05

PRE-STANDARD

Fibre optic connector interfaces –

Part 18: Type MT-RJ connector family

PUBLICLY AVAILABLE SPECIFICATION



INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

Reference number
IEC/PAS 61754-18

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC CONNECTOR INTERFACES –

Part 18: Type MT-RJ connector family

FOREWORD

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The text of this PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document:

Draft PAS	Report on voting
86B/1451/PAS	86B/1501/RVD

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FIBRE OPTIC CONNECTOR INTERFACES –

Part 18: Type MT-RJ Connector family

1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type MT-RJ family of connectors.

2 Description

The parent connector for the type MT-RJ connector family is a plug connector having single or multiple fibres in a rectangular ferrule nominally $4,4 \times 2,5$ mm aligned by two 0,7 mm diameter pins and corresponding holes. The connector includes a single coupling latch and a ferrule spring loaded in the direction of the optical axis. The plug connector has a single male key which may be used to orientate the connector and the component to which it is mated.

Connector interfaces are configured as a plug without pins, an adaptor and a plug with pins or alternatively as a plug without pins and a receptacle with pins. Adaptors use ribs to pre-align ferrules. Receptacles with and without ribs are defined.

3 Interfaces

Subsequent pages define the standard interfaces for the type MT-RJ connector family.

This standard contains the following standard interfaces:

Interface **61754-18-1** MT-RJ plug connector interface, without pins, consisting of,

Interface 61754-18-1-1 for single fibre

Interface 61754-18-1-2 for two fibres with a pitch of 0.25 mm

Interface 61754-18-1-3 for two fibres with a pitch of 0.75 mm

Interface 61754-18-1-4 for four fibres with a pitch of 0.25 mm

Interface **61754-18-2** MT-RJ plug connector interface, with pins, consisting of,

Interface 61754-18-2-1 for single fibre

Interface 61754-18-2-2 for two fibres with a pitch of 0.25 mm

Interface 61754-18-2-3 for two fibres with a pitch of 0.75 mm

Interface 61754-18-2-4 for four fibres with a pitch of 0.25 mm

Interface **61754-18-3** MT-RJ adaptor interface

Interface **61754-18-4** MT-RJ receptacle interface, with pins, without ribs, consisting of,

Interface 61754-18-4-1 for single fibre

Interface 61754-18-4-2 for two fibres with a pitch of 0.25 mm

Interface 61754-18-4-3 for two fibres with a pitch of 0.75 mm

Interface 61754-18-4-4 for four fibres with a pitch of 0.25 mm