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Standards

Irish Standard
I.S. EN 61300-3-51:2014

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-51: Examinations and measurements - Pin gauge withdrawal force for rectangular ferrule multi-fibre connectors

I.S. EN 61300-3-51:2014

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EUROPEAN STANDARD

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**Fibre optic interconnecting devices and passive components -
Basic test and measurement procedures -
Part 3-51: Examinations and measurements - Pin gauge
withdrawal force for rectangular ferrule multi-fibre connectors
(IEC 61300-3-51:2014)**

Dispositifs d'interconnexion et composants passifs
à fibres optiques - Procédures fondamentales d'essais et de
mesures - Partie 3-51: Examens et mesures - Force
d'extraction d'une broche calibrée pour des connecteurs
multifibres à ferrule rectangulaire
(CEI 61300-3-51:2014)

Lichtwellenleiter - Verbindungselemente und passive
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Teil 3-51: Untersuchungen und Messungen - Prüfstift-
Ausziehungskraft von rechteckigen Ferrulen von
Mehrfachfasersteckverbindern
(IEC 61300-3-51:2014)

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Europäisches Komitee für Elektrotechnische Normung

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

Foreword

The text of document 86B/3817/FDIS, future edition 1 of IEC 61300-3-51, 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 61300-3-51:2014.

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IEC 61300-3-49 NOTE Harmonized as EN 61300-3-49.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination	EN 61300-3-1	-
IEC 61754-5	-	Fibre optic connector interfaces - Part 5: Type MT connector family	EN 61754-5	-
IEC 61754-7-1	-	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-1: Type MPO connector family - One fibre row	EN 61754-7-1	-
IEC 61754-7-2	-	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-2: Type MPO connector family - Two fibre rows	EN 61754-7-2	-
IEC 61754-10	-	Fibre optic connector interfaces - Part 10: Type Mini-MPO connector family	EN 61754-10	-
IEC 61754-18	-	Fibre optic connector interfaces - Part 18: Type MT-RJ connector family	EN 61754-18	-

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IEC 61300-3-51

Edition 1.0 2014-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 3-51: Examinations and measurements – Pin gauge withdrawal force for rectangular ferrule multi-fibre connectors**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –
Procédures fondamentales d'essais et de mesures –
Partie 3-51: Examens et mesures – Force d'extraction d'une broche calibrée pour des connecteurs multifibres à ferrule rectangulaire**



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Edition 1.0 2014-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 3-51: Examinations and measurements – Pin gauge withdrawal force for rectangular ferrule multi-fibre connectors**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –
Procédures fondamentales d'essais et de mesures –
Partie 3-51: Examens et mesures – Force d'extraction d'une broche calibrée pour des connecteurs multifibres à fêrûle rectangulaire**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
BASIC TEST AND MEASUREMENT PROCEDURES –**
**Part 3-51: Examinations and measurements –
Pin gauge withdrawal force for rectangular ferrule multi-fibre connectors**

FOREWORD

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

FDIS	Report on voting
86B/3817/FDIS	86B/3844/RVD

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

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 3-51: Examinations and measurements – Pin gauge withdrawal force for rectangular ferrule multi-fibre connectors

1 Scope

This part of IEC 61300 is intended to describe the procedure required to measure the pin gauge withdrawal force for rectangular ferrule multi-fibre connectors.

This measurement can be used as an alternative to the measurement of the pin gauge insertion force, both of which evaluate the fit of the pin gauge(s) into the guide pin hole(s) of the female-type connector. The experimental verification of interchangeability between them is shown in Annex A.

For the male-type connector, IEC 61300-3-49 is applied to evaluate how securely the guide pins are retained in the guide holes.

2 Normative references

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