

STN	Optovláknové spájacie prvky a pasívne súčiastky Základné skúšobné a meracie postupy Časť 2-38: Skúšky Tesnosť optovláknových zapuzdrení a tvrdených konektorov s použitím tlaku vzduchu	STN EN IEC 61300-2-38 35 9252
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Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-38: Tests - Sealing for fibre optic sealed closures and hardened connectors using air pressure

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/23

Obsahuje: EN IEC 61300-2-38:2023, IEC 61300-2-38:2023

Oznámením tejto normy sa od 01.09.2024 ruší

STN EN 61300-2-38 (35 9252) z mája 2007

137669

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2023

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61300-2-38

September 2023

ICS 33.180.20

Supersedes EN 61300-2-38:2006

English Version

**Fibre optic interconnecting devices and passive components -
Basic test and measurement procedures - Part 2-38: Tests -
Sealing for fibre optic sealed closures and hardened connectors
using air pressure
(IEC 61300-2-38:2023)**

Dispositifs d'interconnexion et composants passifs
fibroniques - Procédures fondamentales d'essais et de
mesures - Partie 2-38: Essais - Étanchéité des boîtiers
scellés fibroniques et des connecteurs durcis fibroniques au
moyen d'air comprimé
(IEC 61300-2-38:2023)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Grundlegende Prüf- und Messverfahren -
Teil 2-38: Prüfungen - Dichtigkeitsprüfung druckfester
Muffen für Lichtwellenleiterbauteile mit Druckluft
(IEC 61300-2-38:2023)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61300-2-38:2023 (E)**European foreword**

The text of document 86B/4768/FDIS, future edition 3 of IEC 61300-2-38, 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 IEC 61300-2-38:2023.

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IEC 61753 series	NOTE Approved as EN 61753 series
IEC 61753-1:2018	NOTE Approved as EN IEC 61753-1:2018 (not modified)
IEC 61753-1:2018/A1:2020	NOTE Approved as EN IEC 61753-1:2018/A1:2020 (not modified)
IEC 62005 series	NOTE Approved as EN IEC 62005 series

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 61300-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN IEC 61300-1	-



IEC 61300-2-38

Edition 3.0 2023-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –

Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure

Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –

Partie 2-38: Essais – Étanchéité des boîtiers scellés fibroniques et des connecteurs durcis fibroniques au moyen d'air comprimé

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IEC 61300-2-38

Edition 3.0 2023-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure**

**Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –
Partie 2-38: Essais – Étanchéité des boîtiers scellés fibroniques et des connecteurs durcis fibroniques au moyen d'air comprimé**

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ICS 33.180.20

ISBN 978-2-8322-7297-8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –**Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure**

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IEC 61300-2-38 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2006. It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) addition of sealed hardened connectors;
- b) recommended test severities from IEC 61753-1;
- c) test configurations for hardened connectors and adaptors.

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

Draft	Report on voting
86B/4768/FDIS	86B/4783/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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

Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure

1 Scope

This part of IEC 61300 presents two methods for testing the sealing performance of a fibre optic sealed closure and hardened connector using air pressure.

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 61300-1, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance*

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