



BSI Standards Publication

Explosives for civil uses — Detonators and detonating cord relays

Part 3: Verification of insensitiveness to impact of detonators, surface connectors, detonating cord relays and shock tubes

National foreword

This British Standard is the UK implementation of EN 13763-3:2025. It supersedes BS EN 13763-3:2002, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/61, Explosives for civil uses.

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

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Date	Text affected

English Version

Explosives for civil uses - Detonators and detonating cord
relays - Part 3: Verification of insensitiveness to impact of
detonators, surface connectors, detonating cord relays and
shock tubes

Explosifs à usage civil - Détonateurs et relais pour
cordeau détonant - Partie 3 : Vérification de
l'insensibilité au choc des détonateurs, connecteurs de
surface, relais pour cordeau détonant et tubes à
transmission d'ondes de choc

Explosivstoffe für zivile Zwecke - Zünder und
Sprengschnurverbinder - Teil 3: Überprüfung der
Schlagempfindlichkeit

This European Standard was approved by CEN on 29 September 2025.

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European foreword

This document (EN 13763-3:2025) has been prepared by Technical Committee CEN/TC 321 “Explosives for civil uses”, the secretariat of which is held by UNE.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2026 and conflicting national standards shall be withdrawn at the latest by April 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13763-3:2002.

EN 13763-3:2025 includes the following significant technical changes with respect to EN 13763-3:2002:

- a) the document title has been changed from “Detonators and relays — Part 3: Determination of sensitiveness to impact” to “Detonators and detonating cord relays — Part 3: Verification of insensitiveness to impact of detonators, surface connectors, detonating cord relays and shock tubes”;
- b) the Scope has been revised so that the document now also applies to semi-finished detonators and electronic detonators;
- c) the normative references have been updated;
- d) the terminology entries 3.1 and 3.2 have been removed;
- e) the Clause 4 “Principle” has been added;
- f) the Clause “Apparatus” has been restructured and revised;
- g) the Clause “Test pieces” is now called “Preparation of test sample”, has been revised and enlarged to include semi-finished detonators and electronic detonators;
- h) the Clause “Procedure” has been revised so that no longer a determination of the sensitiveness to impact is carried out but only the verification of the insensitiveness to impact at a specific level;
- i) the Clause “Procedure” has been enlarged to include semi-finished and electronic detonators;
- j) the Clause 8 “Expression of results” has been added;
- k) the Clause “Test report” does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised and enlarged;
- l) the former Annex A “Range of applicability of the test method” has been removed;
- m) the Annex ZA has been updated;
- n) the Bibliography has been added and lists EN ISO/IEC 17025:2017.