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National Standards Authority of Ireland

STANDARD

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EXPLOSIVES FOR CIVIL USES - DETONATORS AND RELAYS - PART 22: DETERMINATION OF CAPACITANCE, INSULATION RESISTANCE AND INSULATION BREAKDOWN OF LEADING WIRES

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English version

Explosives for civil uses - Detonators and relays - Part 22: Determination of capacitance, insulation resistance and insulation breakdown of leading wires

Explosifs à usage civil - Détonateurs et relais - Partie 22: Détermination de la capacité électrique, de la résistance d'isolation et de la rupture d'isolation des fils d'amorce

Explosivstoffe für zivile Zwecke - Zünder und Verzögerungselemente - Teil 22: Bestimmung der Kapazität, des Isolationswiderstandes und der Durchschlagsspannung der Zünderdrahtisolierung

This European Standard was approved by CEN on 10 November 2003.

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Foreword

This document (EN 13763-22:2003) has been prepared by Technical Committee CEN/TC 321 "Explosives for civil uses", the secretariat of which is held by AENOR.

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of an identical text or by endorsement, at the latest by June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

Annex A is informative.

This European Standard is one of a series of standards with the generic title *Explosives for civil uses – Detonators and relays.* The other parts of this series are listed below:

prEN 13763-1	Part 1: Requirements
EN 13763-2	Part 2: Determination of thermal stability
EN 13763-3	Part 3: Determination of sensitiveness to impact
EN 13763-4	Part 4: Determination of resistance to abrasion of leading wires and shock tubes
EN 13763-5	Part 5: Determination of resistance to cutting damage of leading wires and shock tubes
EN 13763-6	Part 6: Determination of resistance to cracking in low temperatures of leading wires
EN 13763-7	Part 7: Determination of the mechanical strength of leading wires, shock tubes, connections, crimps and closures
EN 13763-8	Part 8: Determination of the resistance to vibration of plain detonators
EN 13763-9	Part 9: Determination of resistance to bending of detonators
EN 13763-11	Part 11: Determination of resistance to damage by dropping of detonators and relays
EN 13763-12	Part 12: Determination of resistance to hydrostatic pressure
prEN 13763-13	Part 13: Determination of resistance of electric detonators against electrostatic discharge
prEN 13763-15	Part 15: Determination of equivalent initiating capability
EN 13763-16	Part 16: Determination of delay accuracy
EN 13763-17	Part 17: Determination of no-fire current of electric detonators
EN 13763-18	Part 18: Determination of series firing current of electric detonators
EN 13763-19	Part 19: Determination of firing impulse of electric detonators
EN 13763-20	Part 20: Determination of total electrical resistance of electric detonators

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EN 13763-21	Part 21: Determination of flash-over voltage of electric detonators
EN 13763-23	Part 23: Determination of the shock-wave velocity of shock tube
EN 13763-24	Part 24: Determination of the electrical non-conductivity of shock tube
prEN 13763-25	Part 25: Determination of transfer capability of surface connectors, relays and coupling accessories
prEN 13763-26	Part 26: Definitions, methods and requirements for devices and accessories for reliable and safe function of detonators and relays
CEN/TS 13763-27	Part 27: Definitions, methods and requirements for electronic initiation systems

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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