



National Standards Authority of Ireland

IRISH STANDARD

I.S. 596 : (EN 50039:1980) : 1985

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**ELECTRICAL APPARATUS FOR
POTENTIALLY EXPLOSIVE ATMOSPHERES.
INTRINSICALLY SAFE ELECTRICAL
SYSTEMS 'I'**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD SPECIFICATION

ELECTRICAL APPARATUS FOR
POTENTIALLY EXPLOSIVE ATMOSPHERES
INTRINSICALLY SAFE ELECTRICAL SYSTEMS 'i'

I.S. 596 : 1985
(EN 50039 : 1980)

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DECLARATION
OF
SPECIFICATION
ENTITLED
ELECTRICAL APPARATUS FOR
POTENTIALLY EXPLOSIVE ATMOSPHERES
INTRINSICALLY SAFE ELECTRICAL SYSTEMS 'i'
AS
THE IRISH STANDARD SPECIFICATION FOR
ELECTRICAL APPARATUS FOR
POTENTIALLY EXPLOSIVE ATMOSPHERES
INTRINSICALLY SAFE ELECTRICAL SYSTEMS 'i'

The Institute for Industrial Research and Standards in exercise of the power conferred by section 20 of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and with the consent of the Minister for Industry, Trade, Commerce and Tourism, hereby declares as follows:

1 This instrument may be cited as the Standard Specification (Electrical apparatus for potentially explosive atmospheres - Intrinsically safe electrical systems 'i') Declaration, 1985.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Electrical apparatus for potentially explosive atmospheres - Intrinsically safe electrical systems 'i'. The Schedule comprises Pages 3 and 4 of this document.

(2) The said standard specification may be cited as Irish Standard 596 : 1985 (EN 50039 : 1980) or as I.S. 596 : 1985 (EN 50039 : 1980).

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Key words: electrical apparatus, potentially explosive atmosphere, explosive atmosphere, explosion proofing, specific requirement, intrinsic safety 'i', intrinsically safe system 'i'

English version

Electrical apparatus for potentially explosive atmospheres Intrinsically safe electrical systems "i"

Matériel électrique pour atmosphères
explosibles.
Systèmes électriques de sécurité
intrinsèque "i".

Elektrische Betriebsmittel für
explosionsgefährdete Bereiche.
Eigensichere elektrische
Systeme „i“.

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