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AS/NZS 60079.0:2008
IEC 60079-0, Ed. 5.0 (2007)

AS/NZS 60079.0:2008

Australian/New Zealand Standard™

Explosive atmospheres

Part 0: Equipment—General requirements

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Australian/New Zealand Standard™

Explosive atmospheres

Part 0: Equipment—General requirements

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres, to supersede AS/NZS 60079.0:2005.

The objective of this Standard is to specify the general requirements for construction, testing and marking of electrical equipment and Ex components intended for use in explosive atmospheres.

This Standard is identical with, and has been reproduced from, IEC 60079-0, Ed. 5.0(2007), *Explosive atmospheres – Part 0: Equipment—General requirements*.

The main changes with respect to the previous edition are listed below.

(a) Requirements for explosive dust atmospheres transferred from AS/NZS 61241.0.

(b) The marking Group 'II' alone has been replaced by 'IIA', 'IIB', or 'IIC' as many of the enclosure requirements are now aligned with a specific sub-group.

(c) Dust groups defined as Group IIIA, IIIB and IIIC.

(d) Limits for ultrasonic and electromagnetic radiation introduced.

(e) Remainder of 'electrostatic' requirements transferred from AS/NZS 60079.26.

(f) Equipment protection levels (EPL) introduced.

(g) Transition of term from 'apparatus' to 'equipment' (where appropriate).

As this Standard is reproduced from an International Standard, the following applies:

(i) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(ii) In the source text 'IEC 60079-0' should read 'AS/NZS 60079.0'.

(iii) A full point should be substituted for a comma when referring to a decimal marker.

The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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CONTENTS

Page

1 Scope ... 1
2 Normative references ... 2
3 Terms and definitions ... 7
4 Equipment grouping ... 16
4.1 Group I ... 16
4.2 Group II ... 17
4.3 Group III ... 17
4.4 Equipment for a particular explosive atmosphere ... 17
5 Temperatures ... 18
5.1 Environmental influences ... 18
5.2 Service temperature ... 18
5.3 Maximum surface temperature ... 18
6 Requirements for all electrical equipment ... 21
6.1 General ... 21
6.2 Mechanical strength of equipment ... 21
6.3 Opening times ... 21
6.4 Circulating currents ... 22
6.5 Gasket retention ... 22
6.6 Electromagnetic and ultrasonic energy radiating equipment ... 22
7 Non-metallic enclosures and non-metallic parts of enclosures ... 24
7.1 General ... 24
7.2 Thermal endurance ... 25
7.3 Resistance to light ... 25
7.4 Electrostatic charges on external non-metallic materials ... 25
7.5 Threaded holes ... 27
8 Metallic enclosures and metallic parts of enclosures ... 28
8.1 Material composition ... 28
8.2 Threaded holes ... 29
9 Fasteners ... 29
9.1 General ... 29
9.2 Special fasteners ... 29
9.3 Holes for special fasteners ... 29
10 Interlocking devices ... 31
11 Bushings ... 31
12 Materials used for cementing ... 31
13 Ex components ... 31
13.1 General ... 31
13.2 Mounting ... 31
13.3 Internal mounting ... 32
13.4 External mounting ... 32

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