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AS 2380.6—1988

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Electrical equipment for explosive atmospheres — Explosion-protection techniques

Part 6: Increased safety

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This Australian Standard was prepared by Committee EL/14, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of the Standards Association of Australia on 11 August 1988 and published on 3 October 1988.

The following interest are represented on Committee EL/14:

Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Australian Institute of Petroleum
Confederation of Australian Industry
Department of Defence (Commonwealth)
Department of Industrial Relations and Employment, N.S.W.
Department of Labour, Vic.
Department of Mineral Resources, N.S.W.
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Part 6: Increased safety

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PREFACE

This Standard was prepared by the Association's Committee on Electrical Equipment in Hazardous Areas, to supersede AS 1593-1982, *Electrical equipment for explosive atmospheres — Increased safety apparatus — Type of protection e*. This Standard is intended for the guidance of manufacturers, users, statutory authorities and associated interests. It is Part 6 of a series of Standards dealing with the explosion-protection of electrical equipment intended for use in hazardous areas.

Increased safety is an explosion-protection technique for electrical equipment in hazardous areas, which can be applied to several different forms of electrical equipment, including cage induction motors, luminaires, handlamps, and instrument transformers.

Equipment complying with this Standard will be suitable for use in a Class I Zone 1 or Zone 2 area.

In its terminology, definitions and general treatment of the subject, this Standard is similar to the following Standards and draft Standards issued by the International Electrotechnical Commission and the European Committee for Electrotechnical Standardization:

IEC 79	Electrical apparatus for explosive gas atmospheres Part 7: Increased safety e
EN 50 019	Electrical apparatus for potentially explosive atmospheres Part 6: Increased safety e
IEC 31C(C.O.)8	Draft revision of IEC publication 79-7

Acknowledgement is made of the assistance received from these sources.

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