

AS/NZS 60079.33:2012
IEC 60079-33, Ed.1.0 (2012)
Reconfirmed 2024

AS/NZS 60079.33:2012

Australian/New Zealand Standard™

Explosive atmospheres

**Part 33: Equipment protection by
special protection ‘s’**



AS/NZS 60079.33:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 14 November 2012 and on behalf of the Council of Standards New Zealand on 29 October 2012.
This Standard was published on 30 November 2012.

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Australian Coal Association
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Australian Petroleum Production and Exploration Association
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This Standard was issued in draft form for comment as DR AS/NZS IEC 60079.33.

AS/NZS 60079.33:2012 (Reconfirmed) 2024-08-30

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS 60079.33:2012
Explosive atmospheres
Part 33: Equipment protection by special protection 's'

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 28 April 2023.

Approved for reconfirmation in New Zealand on behalf of the New Zealand Standards Approval Board on 18 April 2024.

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First published as AS/NZS 60079.33:2012.

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ISBN 978 1 74342 312 7

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres.

The objective of this Standard is to provide requirements and the specific methodology for the assessment, testing and marking of electrical equipment, parts of electrical equipment and Ex components with special protection 's'.

This Standard is identical with, and has been reproduced from IEC 60079-33, Ed.1.0 (2012), *Explosive atmospheres: Part 33: Equipment protection by special protection 's'*.

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

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
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61508	Functional safety of electrical/electronic/programmable electronic safety-related systems	61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
(all parts)		(all parts)	
62061	Safety of machinery—Functional safety of safety-related electrical, electronic and programmable electronic control systems	62061	Safety of machinery—Functional safety of safety-related electrical, electronic and programmable electronic control systems
IEC		AS IEC	
61511	Functional safety—Safety instrumented systems for the process industry sector	61511	Functional safety—Safety instrumented systems for the process industry sector
(all parts)		(all parts)	
IEC		AS/NZS	
60079	Explosive atmospheres	60079	Explosive atmospheres
60079-0	Part 0: Equipment—General requirements	60079.0	Part 0: Equipment—General requirements
60079-29-1	Part 29-1: Gas detectors—Performance requirements of detectors for flammable gases	60079.29.1	Part 29.1: Gas detectors—Performance requirements of detectors for flammable gases
60079-29-2	Part 29-2: Gas detectors—Selection, installation, use and maintenance of detectors for flammable gases and oxygen	60079.29.2	Part 29.2: Gas detectors—Selection, installation, use and maintenance of detectors for flammable gases and oxygen

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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