AS/NZS 60079.0:2012 IEC 60079-0, Ed. 6.0 (2011)

Australian/New Zealand Standard[™]

Explosive atmospheres

Part 0: Equipment—General requirements





AS/NZS 60079.0:2012

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 3 February 2012 and on behalf of the Council of Standards New Zealand on 31 January 2012. This Standard was published on 22 February 2012.

The following are represented on Committee EL-014:

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This Standard was issued in draft form for comment as DR AS/NZS 60079.0.

Australian/New Zealand Standard™

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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 60079.0:2008.

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. 6.0 (2011), *Explosive atmospheres*, Part 0: *Equipment—General requirements*.

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.
- (b) In the source text 'this part of IEC 60079' and 'IEC 60079-0' should read 'this part of AS/NZS 60079' and 'AS/NZS 60079.0' respectively.
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References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard

IEC		A		
60034	Rotating electrical machines			
60034-1	Part 1: Rating and performance			
60034-5	Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP Code)—Classification	60		
60529	Degrees of protection provided 6 by enclosures (IP Code)			
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60034 60034.1 60034.5	Rotating electrical machines Part 1: Rating and performance Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP Code)—Classification				
60529	Degrees of protection provided by enclosures (IP Code)				
60947	Low-voltage switchgear and controlgear				
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60079.7	Part 7: Equipment protection by increased safety 'e'				
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Reference to International Standard

IEC		AS/NZS		
60079-25	Part 25: Intrinsically safe electrical systems	60079.25	Part 25: Intrinsically safe electrical systems	
60079-26	Part 26: Equipment with equipment protection level (EPL) Ga	60079.26	Part 26: Equipment with equipment protection level (EPL) Ga	
60079-28	Part 28: Protection of equipment and transmission systems using optical radiation	60079.28	Part 28: Protection of equipment and transmission systems using optical radiation	
60079-30-1	Part 30-1: Electrical resistance trace heating—General and testing requirements	60079.30.1	Part 30.1: Electrical resistance trace heating—General and testin requirements	
60079-31	Part 31: Equipment dust ignition protection by enclosure 't'	60079.31	Part 31: Equipment dust ignition protection by enclosure 't'	
60896-2	Stationary lead-acid batteries— General requirements and test methods Part 2: Valve regulated types	4029.2	Stationary batteries—Lead-acid Part 2: Valve regulated types	
61241-4	Electrical apparatus for use in presence of combustible dust— Part 4: Type of protection 'pD'	61241.4	Electrical apparatus for use in presence of combustible dust— Part 4: Type of protection 'pD'	
62013-1	Caplights for use in mines susceptible to firedamp— Part 1: General requirements— Construction and testing in relation to the risk of explosion	62013.1	Caplights for use in mines susceptible to firedamp— Part 1: General requirements— Construction and testing in relation to the risk of explosion	
ISO		AS		
4014	Hexagon head bolts—Product grades A and B	1110.1	ISO metric hexagon bolts and screws—Product grades A and B— Part 1: Bolts	
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4029	Hexagon socket set screws with cup point	1421	ISO metric hexagon socket set screws	

It should be noted that many other parts of IEC 60079 and IEC 61241 are now published as identically numbered parts of AS/NZS 60079 and AS/NZS 61241 respectively. The latter should be referenced when necessary.

The terms 'normative' and 'informative' are used to define the application of an 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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