

AS/NZS 60079.7:2016
Explosive atmospheres
Part 7: Equipment protection by increased safety "e"
Amendment No. 1
Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 12 March 2024
New Zealand Standards Approval Board Approval: 6 March 2024
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Summary

This Amendment applies to the following elements:

- Front cover
- Preface
- Amendment No. 1

Amendment Details

AS/NZS 60079.7:2016 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Front cover	After "IEC 60079-7:2015" add the following: IEC 60079-7:2015/AMD1:2017 (Incorporating Amendment No. 1)
Preface	1 <i>After</i> the first paragraph, <i>add</i> the following: Amendment No. 1 to this Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres. 2 <i>Delete</i> third paragraph and <i>replace</i> with the following: This document is identical with, and has been reproduced from IEC 60079-7:2015, <i>Explosive atmospheres – Part 7: Equipment protection by increased safety "e"</i> and its Amendment No. 1 (2017) which has been added at the end of the source text.
Amd 1 (new)	<i>After</i> the Bibliography, <i>add</i> the following Amendment No. 1 (2024):

Amendment No. 1

This amendment has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

The text of this amendment is based on the following documents:

CDV	Report on voting
31/1301/CDV	31/1324/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

5.2.4 Connection facilities for external conductors

Add, after Note 2, the following new paragraph, note and table:

Where compound filled cable sealing boxes for Level of Protection “ec” are used for the termination of external cables supplying equipment with rated voltages in excess of 750 V, the construction shall be such that the creepage distances and clearances given in Table 20 are obtainable for bare live parts, prior to the pouring of the compound.

NOTE 3 The requirements in Table 20 differ from those in Table 2 to take account of the properties of the compound and the lower degree of certainty as to whether the designed separations are actually achieved in a particular installation. Voltage values are rated values to align with commonly used supply values.

Table 20 — Separation in compound-filled cable sealing boxes

Rated voltage, U AC _{RMS} or DC V	Creepage distances mm		Clearances mm	
	Between phases	Between phase and earth	Between phases	Between phase and earth
$750 < U \leq 1\,100$	19	19	12,5	12,5
$1\,100 < U \leq 3\,300$	37,5	25	19	12,5
$3\,300 < U \leq 6\,600$	63	31,5	25	19
$6\,600 < U \leq 11\,000$	90	45	37,5	25
$11\,000 < U \leq 13\,800$	110	55	45	31,5
$13\,800 < U \leq 15\,000$	120	60	50	35