IEC 60079-1

Edition 6.0 2007-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Explosive atmospheres –
Part 1: Equipment protection by flameproof enclosures “d”

Atmosphères explosives –
Partie 1: Protection du matériel par enveloppes antidéflagrantes «d»

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FOREWORD

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International Standard IEC 60079-1 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

This sixth edition cancels and replaces the fifth edition published in 2003 and constitutes a technical revision.

This edition contains the following significant technical changes with regard to the previous edition:

a) revisions to Clause 5 regarding markings and conditions of safe use when a dimension of a flameproof joint is other than the relevant minimum or maximum;
b) revisions to Table 1 regarding maximum gap for flanged, cylindrical or spigot joints;
c) revisions to Table 4 regarding requirements for taper threaded joints;
d) revisions to Clause 10 regarding volume restrictions and test conditions associated with breathing and draining devices;
e) revisions to Clause 11 regarding requirements for fasteners, associated holes and blanking elements;
f) revisions to Clause 12 regarding material restrictions associated with zinc and zinc alloys;