

ANSI/ISA-60079-6 (12.26.01)-1998
(Formerly ANSI/ISA-12.26.01-1998 (IEC 60079-6 Mod))
Supercedes ANSI/ISA-12.26.01-1998 (IEC 60079-6 Mod)



**Electrical Apparatus for Use
in Class I, Zone 1 Hazardous
(Classified) Locations
Type of Protection –
Oil Immersion "o"**

Fourth Printing: 15 July 2005

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**ISA—The Instrumentation,
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Approved 15 October 1998



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**Electrical Apparatus for Use in Class I, Zone 1 Hazardous
(Classified) Locations: Type of Protection —
Oil-Immersion “o”**



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General Notes

This is the common ISA and UL Standard for Electrical apparatus for explosive gas atmospheres — Part 6: Oil immersion "o". It is the first edition of ANSI/ISA-60079-6 [formerly ANSI/ISA-S12.26.01-1998 (IEC 60079-6 Mod)] and the first edition of UL 60079-6. The ISA suffix "Mod" indicates the document is a modification of the IEC document and includes U.S. deviations encompassing both additions and deletions of information.

ANSI/ISA-60079-6 and UL 60079-6 contain identical requirements, and identical publication dates. The presentation and format of the standards material may differ between the two published standards.

This common Standard was prepared by ISA — The Instrumentation, Systems, and Automation Society and Underwriters Laboratories Inc. (UL).

Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

Level of harmonization

This standard adopts the IEC text with deviations.

The requirements are presented in different formats. The ISA version of the standard illustrates the national differences from the IEC text through the use of legislative text (strike-out and underline). The UL version of the standard illustrates national differences immediately following the IEC text. National differences between the UL version and the ISA version shall be word for word except for editorial changes.

Interpretations

The interpretation by the SDO of an identical or equivalent standard shall be based on the literal text to determine compliance with the standard in accordance with the procedural rules of the SDO. If more than one interpretation of the literal text has been identified, a revision shall be proposed as soon as possible to each of the SDOs to more accurately reflect the intent.

UL Effective Date

As of 2 December 2002 all products Listed or Recognized by UL must comply with the requirements in this Standard.

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Preface (ISA)

This ISA standard is based on IEC Publication 60079-6. It is the intention of the ISA SP12 Committee to develop an ANSI standard that is harmonized with IEC 60079-6 to the fullest extent possible.

This preface, as well as all annexes, is included for informational purposes and is not part of ANSI/ISA-60079-6.

The standards referenced within this document may contain provisions which, through reference in this text, constitute requirements of this document. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this document are encouraged to investigate the possibility of applying the most recent editions of the standards indicated within this document. Members of IEC and ISO maintain registers of currently valid International Standards. ANSI maintain registers of currently valid U.S. National Standards.

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