



UL 60079-18

STANDARD FOR SAFETY

Explosive Atmospheres – Part 18: Equipment
Protection by Encapsulation “m”

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UL Standard for Safety for Explosive Atmospheres – Part 18: Equipment Protection by Encapsulation “m”,
UL 60079-18

Fourth Edition, Dated December 14, 2015

Summary of Topics

The revision to UL 60079-18 dated February 7, 2019, is being issued to incorporate the following changes:

Correction to the Cable Pull Test Procedure in 8.2.5.1

Please note that the national difference document incorporates all of the US National Differences for UL 60079-18 based on IEC 60079-18, Explosive Atmospheres – Part 18: Equipment Protection by Encapsulation “m”, (fourth edition issued December 2014).

Text that has been changed in any manner or impacted by UL’s electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated December 7, 2018.

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ANSI/UL 60079-18-2019

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UL 60079-18

**Standard for Explosive Atmospheres - Part 18: Equipment Protection by
Encapsulation "m"**

Fourth Edition

December 14, 2015

This ANSI/UL Standard for Safety consists of the Fourth Edition, including revisions through February 7, 2019.

The most recent designation of ANSI/UL 60079-18 as an American National Standard (ANSI) occurred on February 7, 2019. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards. Any other portions of this ANSI/UL standard that were not processed in accordance with ANSI/UL requirements are noted at the beginning of the impacted sections.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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PREFACE

This harmonized standard is based on IEC Publication 60079-18: Edition 4 issued December, 2014, Explosive Atmospheres - Part 18: Equipment Protection by Encapsulation "m" as revised by Amendment Edition 4.1 issued August, 2017. IEC publication 60079-18 is copyrighted by the IEC.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: 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 national differences.

All national differences from the IEC text are included in the UL version of the standard. While the technical content is the same in UL's version, the format and presentation may differ.

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The following people served as members of STP 60079 and participated in the review of this standard:

NAME	COMPANY
*B. Zimmermann, Chair	R Stahl Inc.
*T. Adam	FM Approvals LLC
R. Allen	Honeywell Inc.
*J. Anderson	Thermon Mfg Co.
D. Ankele	UL LLC
S. Bihler-Lopez	CML Inc.
S. Blais	Emerson/Appleton Group
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