



UL 60079-26

STANDARD FOR SAFETY

Explosive Atmospheres – Part 26:
Equipment with Equipment Protection
Level (EPL) Ga

UL Standard for Safety for Explosive Atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga, UL 60079-26

Third Edition, Dated April 21, 2017

Summary of Topics

This revision of ANSI/UL 60079-26 dated August 16, 2022 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

Please note that the national difference document incorporates all of the US national differences for UL 60079-26. UL 60079-26 is based on IEC 60079-26, Edition 3, published October, 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 June 24, 2022.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page

APRIL 21, 2017
(Title Page Reprinted: August 16, 2022)



ANSI/UL 60079-26-2017 (R2022)

1

UL 60079-26

**Standard for Explosive Atmospheres – Part 26: Equipment with Equipment
Protection Level (EPL) Ga**

Third Edition

April 21, 2017

This ANSI/UL Standard for Safety consists of the Third Edition including revisions through August 16, 2022.

The most recent designation of ANSI/UL 60079-26 as a Reaffirmed American National Standard (ANS) occurred on August 16, 2022. 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.

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>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

COPYRIGHT © 2022 UNDERWRITERS LABORATORIES INC.

No Text on This Page

CONTENTS

Preface (UL)	5
National Differences	9
FOREWORD	11
1 Scope	15
1DV Modification of Clause 1 to replace with the following:	15
2 Normative references	15
2DV Modification of Clause 2 references to replace with the following:	15
3 Terms and definitions.....	16
4 Requirements for design and construction.....	16
4.1 Protection measures against ignition hazards of the electrical circuits.....	16
4.2 Equipment with moving parts.....	23
4.3 Process connection	24
5 Type tests.....	24
5.1 ~~Standardized types of protection~~	24
5.1DV Modification to delete Clause 5.1. It does not apply.	24
5.2 Separation elements.....	24
5.3 Temperature evaluation.....	25
6 Marking	25
6.1 General	25
6.1DV Modification of Clause 6.1 to replace with the following:	25
6.2 Examples of marking	25
6.2DV Modification of Clause 6.2 to replace with the following:	25
7 Instructions.....	26
7.1 Separation elements:	26
7.1DV Modification of Clause 7.1 to replace with the following:	26
7.2 Process connection:	26
7.3 EPL allocation	26

Bibliography

No Text on This Page

Preface (UL)

This UL Standard is based on IEC Publication 60079-26: third edition Explosive Atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga, as revised by corrigendum 60079-26. IEC publication 60079-26 is copyrighted by the IEC.

Efforts have been made to synchronize the UL edition number with that of the corresponding IEC standard with which this standard is harmonized. As a result, one or more UL edition numbers have been skipped to match that of the IEC edition number.

These materials are subject to copyright claims of IEC and UL. No part of this publication may be reproduced in any form, including an electronic retrieval system, without the prior written permission of UL. All requests pertaining to the Explosive Atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga, UL 60079-26 Standard should be submitted to UL.

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.

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

<u>NAME</u>	<u>COMPANY</u>
*B. Zimmermann, Chair	R Stahl Inc.
*T. Adam	FM Approvals LLC
R. Allen	Honeywell International Inc.
F. AlSahan	Saudi Aramco
J. Anderson	Thermon Mfg Co.
D. Ankele	UL LLC
Mike Barret	Nemko
P. Becker	nVent
S. Blais	Emerson/Appleton Group
K. Boegli	KBB Consulting
R. Brownlee	Pepperl + Fuchs Inc.
D. Burns	Shell P&T – Innovation / R&D
*J. Chambers	UL LLC
R. Chalmers	Industrial Scientific Corp.
*C. Coache	National Fire Protection Association
*M. Cole	Hubbell Canada LP
M. Coppler	LabTest Certification Inc.
*R. Deadman	UL LLC
*K. Dhillon	LabTest Certification Inc.
D. Mario	Beach Energy
T. Dubaniewicz	NIOSH
G. Edwards	Det-Tronics
M. Egloff	Montana Tech, University of Montana
M. Ehrmann	R Stahl Inc
D. El Tawy	Siemens Energy
A. Engler	Det Norske Veritas DNV
M. Fillip	National Oilwell Varco
W. Fiske	Intertek
Z. Fosse	DEKRA Certification Inc

<u>NAME</u>	<u>COMPANY</u>
G. Gurinder	Gurinder Garcha Consulting
D. Grady	Talema Group
J. Hickie	Caterpillar Inc.
Bryce Hollenbeck	Hotstart Inc
R. Holub	DuPont
E. Hong	Solar Turbines Inc.
*B. Johnson	Thermon Mfg. Co.
R. Johnson	Source IEC
B. Keane	INNIO Waukesha Gas Engines
*P. Kelly	UL LLC
S. Kiddle	ABB Inc
*M. Kornitsky	FM Approvals LLC
S. Lambaz	Littelfuse Inc.
W. Lawrence	FM Approvals LLC
E. Leubner	Eaton's Crouse-Hinds Business
W. Lockhart	GE Gas Power
W. Lowers	WCL Corp.
*N. Ludlam	FM Approvals Ltd.
M. Marrington	Index
R. Martin	USCG
E. Massey	L E Massey
T. Michalski	Killark Electric Mfg. Co.
B. Miller	Mettler-Toledo LLC
*J. Miller	MSA Innovation LLC
N. Minquez	Proyelco
*O. Murphy	Honeywell International Inc.
D. Nedorostek	Bureau of Safety & Environmental Enforcement (BSEE)
A. Page	Bud Page Consulting Inc.
R. Parks	National Instruments Corp.
Igor Rakonjac	Eurofins North America (MET Labs)
L. Ricks	ExVeritas North America LLC
P. Rigling	MTL – Eaton Electric Ltd.
*K. Robinson	Occupational Safety and Health Adm.
J. Ruggieri	General Machine Corp.
*J. Scheller	ABB Motor and Mechanical Inc.
P. Schimmoeller	CSA Group
*T. Schnaare	Rosemount Inc.
R. Seitz	ARTECH Engineering
S. Sharma	Lindsay Corp.
J. Silliman	3M
K. Singh	Ex Safet Services and Solutions
G. Sitnik	QPS America Inc.
J. Smith	SGS
G. Steinman	ABB Installation Products Inc.
*R. Teather	Det Norske Veritas Certification Inc.
L. Vlaga	General Monitors