

ICS 01.040.29
CCS K 04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 2900.35-1983

Replacing GB/T 2900.35-2008

**Electrotechnical terminology - Explosive atmospheres
(English Translation)**

Issued on: May 23, 2023

Implemented on: December 1, 2023

Issued by: State Administration for Market Regulation

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting:

This document is part 35 of GB/T 2900 "Electrotechnical Terminology": GB/T 2900 has released more than 100 parts:

This document replaces GB/T 2900.35-2008 "Electrical terminology for equipment used in explosive atmospheres" and is consistent with GB/T 2900.35-2008 in addition to structural adjustments and editorial changes, the main technical changes are as follows:

---Changed the names of the subsections in Chapter 3 of this document and IEC 60050-426:2020 "International Electrotechnical Vocabulary Part 426: Explosions Sexual environment" chapter titles should be consistent;

--- Changed term entry: 426-01-01, 426-01-03, 426-02-01, 426-02-09, 426-02-10, 426-02-22, 426-02-25, 426-03-01, 426-03-02, 426-03-13, 426-03-16, 426-04-19, 426-04-20, 426-04-29, 426-04-30, 426-04-33, 426-06-01, 426-06-02, 426-06-08, 426-07-02, 426-07-03, 426-08-11, 426-08-14, 426-09-12, 426-09-20, 426-09-21, 426-09-22, 426-10-02, 426-11-02, 426-11-03, 426-11-28, 426-11-35, 426-12-10, 426-13-01, 426-20-13, 426-20-19, 426-20-34, 426-20-35, 246-20-38;

--- Added term entries: 426-01-09 to 426-01-24, 426-02-26 to 426-02-39, 426-03-28 to 426-03-30, 426-04-38 to 426-04-76, 426-08-15 to 426-08-22, 426-09-23, 426-11-43 to 426-11-53, 426-12-11, 426-13-15, 426-13-16, 426-15-13 to 426-15-18, 426-16-02, 426-20-42 to 426-20-58;

--- Added "426-21 Devices in Explosive Atmospheres", "426-22 Miner's Lamp", "426-23 Optical Radiation in Explosive Atmospheres" and "426-24 Combustible Gas Detection" "426-25 Electrostatic" "426-26 Special Type 's'" "426-27 Explosive Atmospheres - Application of Quality Systems" "426-

28 Non-Electrical Equipment (General)" "426-29 Non-Electrical Equipment-Mining" 9 subsections;

--- Terminology entries removed: 426-02-06, 426-02-07, 426-02-08, 426-02-13, 426-02-16, 426-03-07, 426-03-08, 426-03-09, 426-03-15, 426-03-17, 426-03-18, 426-03-19, 426-03-20, 426-04-07, 426-04-08, 426-04-27, 426-04-36, 426-04-37, 426-06-04, 426-06-06, 426-06-14, 426-06-15, 426-08-02, 426-11-08, 426-11-13, 426-11-14, 426-11-29, 426-11-30, 426-11-31, 426-12-02, 426-12-04, 426-12-05, 426-12-07, 426-12-08, 426-13-12, 426-13-13, 426-13-14, 426-15-03, 426-20-18, 426-20-25, 426-20-32;

---Deleted "3:5 Test of electrical equipment", "3:17 Positive pressure type (dust) 'pD'", "3:18

Pouring type (dust) 'mD', "3:19 this Quality Safety Type (Dust) 'iD" 4 subsections:

This document is equivalent to IEC 60050-426:2020 "International Electrotechnical Vocabulary Part 426: Explosive Atmospheres":

The following minimal editorial changes have been made to this document:

--- In order to coordinate with the current standard, the name of this document was changed to "Electrotechnical Terminology for Explosive Atmospheres":

Introduction

The standards of this standard committee are divided into 9 categories: (1) basic concepts, (2) electrical materials, (3) instruments and meters, (4) electrical equipment, (5) electronic equipment, (6) power generation, transmission and distribution, (7) telecommunications technology, (8) special applications, and (9) standardization:

This document belongs to the fourth part of electrical equipment, which is a general and basic term for equipment used in explosive atmospheres, and can be formulated for technical standards in this field Revision, technical exchange to provide assistance:

GB/T 2900 Electrotechnical Terminology Series National Standard Part IV "Electrical Equipment" has released 17 standards, as shown below:

---GB/T 2900.27-2008 Electrotechnical terms for small power motors: The purpose is to support technology in the field of small power motors Preparation of standards and other documents, teaching and technical communication:

---GB/T 2900.64-2013 Electrotechnical term Time relay: The purpose is to support the technical standards in the field of time relays such as document preparation, teaching and technical communication:

---GB/T 2900.40-1985 Electrical terminology special equipment for wire and cable: The purpose is to support special equipment for wire and cable Compilation, teaching and technical communication of documents such as technical standards in the field:

---GB/T 2900.18-2008 Electrotechnical terminology for low-voltage electrical appliances: The purpose is to support documents such as technical standards in the field of low-voltage electrical appliances Documentation, teaching and technical exchange:

---GB/T 2900.41-2008 Electrotechnical terms primary battery and storage battery: The purpose is to support the field of primary batteries and storage batteries Preparation of technical standards and other documents, teaching and technical communication:

---GB/T 2900.63-2003 Electrotechnical Terminology Basic Relay: The purpose is to support technical standards in the field of basic relays such as document preparation, teaching and technical communication:

---GB/T 2900.25-2008 Electrotechnical terms for rotating electrical machines: The purpose is to support documents such as technical standards in the field of rotating electrical machines Documentation, teaching and technical exchange:

---GB/T 2900.51-1998 Electrotechnical Terminology for Overhead Lines: The purpose is to support documents such as technical standards in the field of overhead lines Documentation, teaching and technical exchange:

---GB/T 2900.35-2008 Electrotechnical terms Equipment for explosive atmospheres: The purpose is to support technology in the area of explosive atmospheres Technical standards and other document preparation, teaching and technical communication:

---GB/T 2900.16-1996 Electrotechnical terminology power capacitor: The purpose is to support technical standards in the field of power capacitors such as document preparation, teaching and technical communication:

---GB/T 2900.49-2004 Electrotechnical Terminology Power System Protection: The purpose is to support technologies in the field of power system protection Preparation of standards and other documents, teaching and technical communication:

---GB/T 2900.70-2008 Electrotechnical Terminology Electrical Accessories: The purpose is to support documents such as technical standards in the field of electrical accessories Documentation, teaching and technical exchange:

---GB/T 2900.7-1996 Electrotechnical term electric charcoal: The purpose is to support the preparation of documents such as technical standards in the field of electric carbon, teaching and technology exchange:

---GB/T 2900.8-2009 Electrotechnical terms insulators: The purpose is to support the compilation of documents such as technical standards in the field of insulators production, teaching and technical exchange:

---GB/T 2900.17-2009 Electrotechnical term measuring relay: The purpose is to support technical standards in the field of measuring relays such as document preparation, teaching and technical communication:

---GB/T 2900.20-2016 Electrotechnical Terminology for High Voltage Switchgear and Controlgear: Purpose is to support high voltage switchgear Compilation, teaching and technical exchange of documents such as technical standards in the field of equipment and control equipment:

Electrotechnical Terminology for Explosive Atmospheres

1 Scope

This document defines relevant terms and definitions for equipment intended for use in explosive atmospheres: