STANDARDISERINGEN I SVERIGE
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SVENSK STANDARD SS-EN 61779-3

Handläggande organ	Fastställd	Utgåva	Sida	Ingår i
Svenska Elektriska Kommissionen, SEK	2000-12-01	1	1 (1+8)	SEK Översikt 31
				Reg 421 08 66

Elektrisk utrustning för detektering och mätning av brännbara gaser – Del 3: Apparater i grupp I för indikering av en volymandel av upp till 100 % metan i luft – Prestandafordringar

Electrical apparatus for the detection and measurement of flammable gases – Part 3: Performance requirements for group I apparatus indicating a volume fraction up to 100 % methane in air

Som svensk standard gäller europastandarden EN 61779-3:2000. Den svenska standarden innehåller den officiella engelska språkversionen av EN 61779-3:2000.

Nationellt förord

Europastandarden EN 61779-3:2000

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC

– **IEC 61779-3, First edition, 1998 - Electrical apparatus for the detection and measurement of flammable gases - Part 3: Performance requirements for group I apparatus indicating a volume fraction up to 100 % methane in air**

utarbetad inom International Electrotechnical Commission, IEC.

Standarden skall användas tillsammans med SS-EN 61779-1, utgåva 1, 2000.

Tidigare utgiven svensk standard SS-EN 50056, utgåva 2, 1998, gäller ej fr o m 2003-06-30.

ICS 17.060; 29.260.20

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EUROPEAN STANDARD **EN 61779-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM June 2000

ICS 17.060; 29.260.20 Supersedes EN 50056:1998

English version

Electrical apparatus for the detection and measurement of flammable gases
Part 3: Performance requirements for group I apparatus indicating a volume fraction up to 100 % methane in air
(IEC 61779-3:1998, modified)

Appareils électriques de détection et de mesure des gaz combustibles
Partie 3: Règles de performances des appareils du groupe I pouvant indiquer une fraction volumique jusqu'à 100 % de méthane dans l'air
(CEI 61779-3:1998, modifiée)

Elektrische Geräte für die Detektion und Messung brennbarer Gase
Teil 3: Anforderungen an das Betriebsverhalten von Geräten der Gruppe I mit einem Meßbereich bis zu 100 % Volumenanteil Methan in Luft
(IEC 61779-3:1998, modifiziert)

CENELEC
European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 61779-3:2000 E

FOREWORD

The text of IEC 61779-3:1998 was considered by the CENELEC Sub-Committee SC 31-9, Electrical apparatus for the detection and measurement of combustible gases to be used in industrial and commercial potentially explosive atmospheres, and it was agreed that the standard could be harmonised as a European Standard with common modifications.

The resulting draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 61779-3 on 2000-01-01.

This European Standard supersedes EN 50056:1998.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-06-30

This part 3 of EN 61779 is to be used in conjunction with EN 61779-1.

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and covers essential requirements of EC Directive 94/9/EC.

Endorsement notice

The text of the International Standard IEC 61779-3:1998, was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

[redacted]

ELECTRICAL APPARATUS FOR THE DETECTION AND MEASUREMENT OF FLAMMABLE GASES –

Part 3: Performance requirements for group I apparatus indicating a volume fraction up to 100 % methane in air

1 Scope

1.1 This part of IEC 61779 specifies requirements for group I (as defined in part 1) portable, transportable and fixed apparatus for the detection and measurement of methane concentrations in mine air. The apparatus, or parts thereof, are intended for use in mines susceptible to firedamp. The requirements and test methods applicable to the apparatus covered by this standard are specified in part 1.

NOTE — The use of group I apparatus may not be permitted without the additional and prior approval of the relevant authority in mines under its jurisdiction, see note 1 of 1.1.1 of part 1.

1.2 This standard is restricted to apparatus intended for the detection and measurement of volume ratios of methane in air from a volume fraction of 0 % up to a volume fraction of 100 %.

NOTE — Apparatus covered by this standard will normally be intended to operate in volume ratios greater than a volume fraction of 5 %.