

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: Nemko 05ATEX1036 Issue No.: 01

[4] Equipment or Protective System: Loudspeaker

[5] Applicant/Manufacturer: Federal Signal Corporation

**[6] Address: 2645 Federal signal Drive
University Park, Illinois 60466-3195
USA**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 145246

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

CENELEC EN 60079-0: 2009, CENELEC EN 60079-1: 2007, CENELEC 60079-7: 2007

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

**[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.**

[12] The marking of the equipment or protective system shall include the following:

**II 2 G****II 2 G Ex d IIB T4...T6 Gb**

Oslo, 2010-03-15



Rolf Hoel

Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 05ATEX1036 Issue No: 01****[15] Description of Equipment or Protective System**

This certificate covers a loudspeaker. Appropriate certified gland is to be used.

Type Designation

120ExD

Additional Information

T6 : $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

T5 : $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

T4 : $-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$

Technical Data

100V, 25W

Ingress Protection Code

IP66 according to EN 60529

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
00	2005-08-18	39229	Prime Certificate released
01	2010-03-10	145246	Upgrade to latest standards.

[16] Report No. 145246**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
120 SERIES RANGE, LOUDSPEAKERS/SOUNDERS DUAL GLAND ENTRY FOR 120ExD	259144A	A2	2/26/10	1

Routine Test

None.

[17] Special Conditions for Safe Use

None.

[18] Essential Health and Safety Requirements

See item 9

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