

# [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 03ATEX 1435 Issue 5

[4] Equipment or Protective System: Switchbox for potentially explosive atmospheres.  
[5] Applicant/ Manufacturer: Rotork Sweden AB  
[6] Address: Kontrollvägen 15  
SE-791 45 Falun  
SWEDEN

[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. 145547


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

CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999 , CENELEC EN 50018 :2000 and  
CENELEC EN 50281-1-1 :1998

[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 GD EEx d IIC, T4 / T130°C: -50°C ≤ Ta ≤ 110°C or  
EEx d IIC, T5 / T95°C: -50°C ≤ Ta ≤ 75°C or  
EEx d IIC, T6 / T80°C: -50°C ≤ Ta ≤ 60°C

Oslo, 2010-03-26



Rolf Hoel  
Certification Manager, Ex-products

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**[13] Schedule****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 03ATEX1435 | Issue 5****[15] Description of Equipment or Protective System**

Explosion-proof switch-box enclosure with threaded lid made in cast iron or stainless steel. Shaft operated mechanical switches or proximity sensors. Individually adjustable cams for switch operations. 12-way terminal strip with screw connections. Entries and plugs have to be appropriately certified.

**Type Designation**

1990 Series

**Technical Data**

Max 15W

**Ingress Protection Code**

IP 66 / IP 67 according to EN 60529.

**[16] Report No. 145547****Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
1990 Marking signs	003344 -D	D	2005-09-05	1
1990 Switchbox Lid Machining	003316 -C	C	2004-02-09	1
1990 Switchbox Base General Drawing for ATEX Certificate	004474-D	D	2010-03-23	1
DRIVE SHAFT BUSH 1990-Box	001333 -B	B	2005-05-19	1
Shaft for 1990-box General drawing for ATEX Certificate	004084 -B	B	2004-03-16	1
1990 EExdIICT6 ATEX Switch box IP66/67 General drawing for Switches and/or Kinax/Pot	004405-C	C	2010-03-16	1
Technical data	000060-B	B	2010-03-23	1

**Certificate History and Associated Nemko Reports**

Issue	Date	Report	Description
0	2003-11-19	12003	Prime Certificate released
1	2004-04-01	20121	Supplement 1. Extension of the article numbers. Drawing 003321-A has been replaced with 004474-A.
2	2004-07-20	26350	Supplement 2. Minor changes of descriptive documents.
3	2004-11-29	34049	Supplement 3. Descriptive document 1990.2.0 changed name to 000060-A.
4	2005-10-10	53430	Supplement 4. Minor change of marking plate.
5	2010-03-25	145547	Issue 5. Company changed name to Rotork Sweden AB. Minor changes of descriptive documents/construction.

**[17] Special Conditions for Safe Use**

None

**[18] Essential Health and Safety Requirements**

See item 9

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