



DET NORSKE VERITAS

EC-TYPE EXAMINATION CERTIFICATE

[2] **EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**

[3] EC-Type Examination Certificate Number: **DNV-2004-OSL-ATEX-0245** Rev. 2

[4] Equipment or Protective System: **Actuator type P30EX**

[5] Applicant – Manufacturer or Authorized representative: **Oden Control AB**

[6] Address: **Herserudsvägen 5
181 34 Lidingö
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] DNV, notified body number 0575 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 reports listed in section 14.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997/ + A1: 1999 + A2: 1999, EN 50018: 2000, and EN 50281-1-1: 1998+A1:2002

[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 and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.

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

 **II 2 GD EEx d IIC T5 -20°C ≤ Ta ≤ +60°C**

Høvik, 2011-10-21
for Det Norske Veritas AS

Marianne Spæren
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE No.:** DNV-2004-OSL-ATEX-0245

Rev. 2

Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2004-3198	2004-08-12
1	Update of descriptive documents	2004-3198	2010-11-25
2	Corrected print error	2004-3198	2011-10-21

[15] Description of Equipment or Protective System

The P30EX actuator comprises a sealed aluminium housing which includes a brushless servo motor, a reduction gearbox, electronics a cable inlet and a connection board at the end of the cable.

Type Identification

P30EX

Electrical Data

U: 24 ($\pm 15\%$) V DC

I_{max}: 8 A

P_{max}: 200 W

Degrees of protection (IP Code)

IP 68 (2 bar for 10 hours)

[16] **Project No.:** PRJC-231210-2010-PRC-NOR

Descriptive Documents

Number	Title	Rev.	Date
P30EX.05	P30EX		2010-07-02
P30EX.50	Hus EX	-	2007-03-20
P30EX.51	Lock EX	-	2006-01-14
P30EX.53	Rotoraxel EX	-	2006-01-14

[17] Special Conditions for Safe Use

The actuator has been tested with a pressure test of four times the reference pressure (25,2 bar) and is excepted for routine pressure testing.

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.