



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 11 ATEX 95874**
- [4] Equipment or Protective System: **Full plastic explosion-proof (emergency) fluorescent light fittings Z0865/6...**
- [5] Applicant – Manufacturer : **INDEX ELEKTRO BV**
- [6] Address: **Harregatplein 15
3214 VP Zuidland, Netherlands**
- [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 60079-0: 2009, EN60079-1:2007, EN60079-5:2007, EN60079-7:2007, EN60079-18:2004, EN61241-0:2006 and EN61241-1:2004
- [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 Ex code, see schedule**

Høvik, 2011-05-27
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 11 ATEX 95874

Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-3243	2011-05-27

[15] Description of Equipment or Protective System

The enclosure of the full plastic explosion-proof (emergency) fluorescent light fitting consists of white plastic shell (SMC), plastic (PC) light-transmitting cover, EPDM sealing bar and the rotor shaft.

For non emergency fluorescentlight, there are inside it the bi-pin fluorescent tube, G5 or G13 lamp holder, metal reflector, terminals, encapsulation fuse module (user's option), flameproof enclosure distance switch module, powder-filling ballast module.

Besides the above there are the emergency indicator module, powder filling inverter module, and increased safety battery module for emergency fluorescent light. The fluorescent lamp uses the rotor shaft to drive the locking plate inside the lamp to open and close the lamp. The locking plate is interlocked with the distance switch inside the lamp to ensure the automatic deenergise of the lamp-holder when the lamp is open. When the lamp is open, all the live parts inside it are with warning labels. The lamp has interlocking drag hook to prevent the lamp becoming live due to fault operation of the operator.

Type Identification

Z	08	6	<input type="checkbox"/> /	<input type="checkbox"/> x	<input type="checkbox"/>	<input type="checkbox"/> -	<input type="checkbox"/> +	Z0804/	<input type="checkbox"/>
The rated current of explosion proof fuse model: Up to 6,3A									
The model of explosion proof fuse module (no matching not noted)									
The code of emergency light fitting: YJ (the non-emergency light fitting not noted)									
Rated Voltage code of specification 1: AC110-240V (±10%), No:AC230V)									
The power of single lamp tube: 14W, 18W, 28W, 36W									
The quantity of lamp tube: 1, 2									
The code of enclosure specification: 5, 6									
The code of product type									
The year number of product developed									
The code of abbreviated name of manufacturer									

Ex code

Ex deq IIC T4 Gb / Ex tD A21 T80 °C (without emergency function or fuse)

Ex dembq IIC T4 Gb / Ex tD A21 T80 °C (with emergency function or fuse)

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.



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Tamb

$-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Electrical Data

AC230V, AC 110-240V($\pm 10\%$) 50/60Hz

Tube power without emergency function: 1 x 14W, 1 x 18W, 1 x 28W, 1 x 36W, 2 x 14W, 2 x 18W, 2 x 28W, 2 x 36W

Tube power with emergency function: 1 x 14W, 1 x 18W, 1 x 28W, 1 x 36W

Degrees of protection (IP Code)

IP66

[16] Project No.: PRJC-301906-2011-PRC

Descriptive Documents

As listed in confidential report 2011-3243

[17] Special Conditions for Safe Use

None

[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.