[1] # 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: **DEMKO 15 ATEX 1448X Rev. 0**

[4] Equipment or Protective System: **GNEx range of Signalling Strobe Beacons and GNExJ2 Junction Box**

[5] Manufacturer: **European Safety Systems Limited**

[6] Address: **Impress House, Mansell Road, Acton, London, W3 7QH, United Kingdom**

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

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the 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 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. **4786552651**

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

EN 60079-0:2012+A11:2013 **EN 60079-1:2014** **EN 60079-31:2014**

[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 the certificate.

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

II 2 G Ex db IIC T6/T5/T4 Gb

II 2 D Ex tb IIIC T80°C/T95°C/T110°/T130°C Db

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Equipment described herein ("Certified Equipment") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the equipment sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured equipment. UL has not established Follow-Up Service or other surveillance of the equipment. The Manufacturer is solely and fully responsible for conformity of all equipment to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2014-11-24

Notified Body
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[13] [14]

Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 15 ATEX 1448X Rev. 0
Report: 4786552651

[15] Description of Equipment or protective system

GNExB1, GNExB2 series are a range of Electronic Strobe Beacons housed in a flameproof / dust protected GRP enclosure that are intended to be used as visual warning / signaling devices. The enclosure is accessible via a threaded cover which incorportes a glass dome, the glass dome is cemented into the cover. The range is supplimented by a GNExJ2 Junction Box which is based on the GNExB2 Series enclosure, the junction box is closed with a single piece molded threaded cover.

Temperature range

Type Designation	T Class (Dust) Ambient Range -50°C to +70°C	T Class (Gas) Ambient Range -50°C to +40°C	T Class (Gas) Ambient Range -50°C to +55°C	T Class (Gas) Ambient Range -50°C to +70°C
GNExB1X05DC012	T110°C	T6	T5	T4
GNExB1X05DC024	T110°C	T6	T5	T4
GNExB1X05DC048	T110°C	T6	T5	T4
GNExB1X05AC115	T110°C	T6	T5	T4
GNExB1X05AC230	T110°C	T6	T5	T4
GNExB2X10DC024	T95°C	-	T6	T5
GNExB2X10DC048	T95°C	-	T6	T5
GNExB2X10AC115	T95°C	-	T6	T5
GNExB2X10AC230	T95°C	-	T6	T5
GNExB2X15DC024	T120°C	T5	-	T4
GNExB2X15DC048	T120°C	T5	-	T4
GNExB2X15AC115	T120°C	T5	-	T4
GNExB2X15AC230	T120°C	T5	-	T4
GNExB2X21DC024	T130°C	-	-	T4
GNExB2X21DC048	T130°C	-	-	T4
GNExB2X21AC115	T130°C	-	-	T4
GNExB2X21AC230	T130°C	-	-	T4
GNExJ2	T80°C	-	-	T6

Electrical data

Type Designation	Description	Rated Voltage Range	Rated Current (mA)	IP Rating
GNExB1X05DC012	5J Xenon Strobe 12Vdc	10-14Vdc	587	IP66
GNExB1X05DC024	5J Xenon Strobe 24Vdc	20-28Vdc	266	IP66
GNExB1X05DC048	5J Xenon Strobe 48Vdc	42-54Vdc	175	IP66
GNExB1X05AC115	5J Xenon Strobe 115Vac, 50/60Hz	110-125Vac, 50/60Hz	121	IP66
GNExB1X05AC230	5J Xenon Strobe 230Vac, 50/60Hz	220-240Vac 50/60Hz	88	IP66
GNExB2X10DC024	10J Xenon Strobe 24Vdc	20-28Vdc	592	IP6X
GNExB2X10DC048	10J Xenon Strobe 48Vdc	42-54Vdc	233	IP6X
GNExB2X10AC115	10J Xenon Strobe 115Vac, 50/60Hz	110-125Vac 50/60Hz`	399	IP6X
GNExB2X10AC230	10J Xenon Strobe 230Vac, 50/60Hz	220-240Vac 50/60Hz	198	IP6X
GNExB2X15DC024	15J Xenon Strobe 24Vdc	20-28Vdc	882	IP6X
GNExB2X15DC048	15J Xenon Strobe 48Vdc	42-54Vdc	358	IP6X
GNExB2X15AC115	15J Xenon Strobe 115Vac, 50/60Hz	110-125Vac 50/60Hz	383	IP6X
GNExB2X15AC230	15J Xenon Strobe 230Vac, 50/60Hz	220-240Vac 50/60Hz	265	IP6X
GNExB2X21DC024	21J Xenon Strobe 24Vdc	20-28Vdc	1032	IP6X
GNExB2X21DC048	21J Xenon Strobe 48Vdc	42-54Vdc	460	IP6X
GNExB2X21AC115	21J Xenon Strobe 115Vac, 50/60Hz	115Vac 50/60Hz	464	IP6X
GNExB2X21AC230	21J Xenon Strobe 230Vac, 50/60Hz	230Vac 50 Hz	310	IP6X
GNExJ2	GNEx Junction Box	260Vac, 60Vdc	5W	IP6X