

[1] EC-TYPE EXAMINATION CERTIFICATE
[2] Component Intended for use on/in equipment or protected system
intended for use in Potentially explosive atmospheres
Directive 94/9/EC

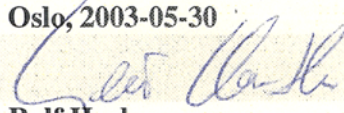
- [3] EC-Type Examination Certificate Number: Nemko 03ATEX1278U
- [4] Component: Enclosure
- [5] Applicant: Shimada Electric Co., Ltd.
[6] Address: 2-29-6, Nakaikagami 2-chome
Ota-ku, Tokyo 146-0081
JAPAN
- [5] Manufacturer: Shimada Electric Co., Ltd
[6] Address: Sano Factory
946-1 Akasaka-cho
Sano-City, Tochigi 327-0004
JAPAN
- [7] This Component 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. 200311141
- [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
CENELEC EN50281-1-1: 1998 + A1: 2002
- [10] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- [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 component shall include the following:



II 2 GD

EEx,d IIB

Oslo, 2003-05-30


Rolf Hoel
Certification Department

This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 03ATEX1278U****[15] Description of Component**

This Certificate covers empty enclosures of aluminium. Certified EEx d cable glands with ingress protection code IP66 must be used when installed.

Type Designation

STH-1
STH-3
STH-5
STH-6
STH-7
STH-7S

Ingress Protection Code

IP66 according to EN 60529: 1991

[16] Report No. 200311141**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Flameproof Type Junction Box STH-1	AA04151	1	2003-02-17	1
Flameproof Type Junction Box STH-3	AA04152	1	2003-02-17	1
Flameproof Type Junction Box STH-5	AA04154	1	2003-02-17	1
Flameproof Type Junction Box STH-6	AA04155	1	2003-02-17	1
Flameproof Type Junction Box STH-7	AA04158	1	2003-02-17	1
Flameproof Type Junction Box STH-7	AA04159	1	2003-02-17	1
Flameproof Type Junction Box STH-7S	AA04162	1	2003-02-17	1
Flameproof Type Junction Box STH-7S	AA04163	1	2003-02-17	1

Routine Test

Duration of the test 2 min.

STH-1 Static overpressure to be applied 11,2 bar. (reference pressure 7,45 bar)

STH-3 Static overpressure to be applied 12,0 bar. (reference pressure 8,03 bar)

STH-5 Static overpressure to be applied 12,1 bar. (reference pressure 8,1 bar)

STH-6 Static overpressure to be applied 12,5 bar. (reference pressure 8,3 bar)

STH-7 Static overpressure to be applied 13,3 bar. (reference pressure 8,85 bar)

STH-7S Static overpressure to be applied 13,3 bar. (reference pressure 8,85 bar)

[17] Schedule of Limitations

See clause D.2.2.8 of EN 50018.

[18] Essential Health and Safety Requirements

See item 9

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