

[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 03ATEX1452X**
- [4] Equipment or Protective System: **Reducer**
- [5] Applicant: **Shimada Electric Co., Ltd.**
[6] Address: **2-29-6, Nakaikegami 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 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. 10664

- [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

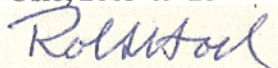
CENELEC EN 50019: 2000

CENELEC 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, 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****EEx e II**

Oslo, 2003-09-18



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 03ATEX1452X

[15] Description of Equipment or Protective System

This certificate covers a range of brass reducers for cable entries or conduit entries openings in flameproof/increased safety enclosures.

Type Designation

Type	Conduit size (M)	Conduit size (F)
SXRE-20~25	M20	M25
SXRE-25~32	M25	M32
SXRE-32~40	M32	M40
SXRE-40~50	M40	M50
SXRE-50~63	M50	M63
SXRE-63~75	M63	M75
SXRE-1/2~20	NPT 1/2" or G1/2	M20
SXRE-1/2~25	NPT 1/2" or G1/2	M25
SXRE-3/4~25	NPT 3/4" or G3/4	M25
SXRE-1~32	NPT 1" or G1	M32
SXRE-11/4~40	NPT 1 1/4" or G1 1/4	M40
SXRE-11/2~50	NPT 1 1/2" or G1 1/2	M50
SXRE-2~63	NPT 2" or G2	M63

Ingress Protection Code

See item 17

[16] Report No. 10664

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
Flameproof (EExdIIC/EExeII) outdoor/Indoor - Reducers	GA50025	2	Jul/11/2003	1
Flameproof (EExdIIC/EExeII) outdoor/Indoor - Reducers	GA50026	2	Jul/11/2003	1
Flameproof (EExdIIC/EExeII) outdoor/Indoor - Reducers	CG60096	1	Jul/11/2003	1

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[17] Special Conditions for Safe Use

A seal must be formed between the equipment and the stopping plug to maintain a degree of protection according to IP66.

[18] Essential Health and Safety Requirements

See item 9

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