

**[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 04ATEX1450
- [4] Equipment or Protective System:** Junction box
- [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 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. 11031

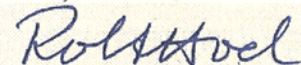
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**  
CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999  
CENELEC EN 50019: 2000  
CENELEC EN 50020: 2002  
CENELEC EN 50281-1-1: 1998 + A1: 2002
- [10] If the sign "X" is placed after the certificate number, 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 e II T6 or EEx ia IIC T6

Oslo, 2004-10-07



Rolf Hoel  
Certification Department

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

Postal address:  
P.O.Box 73 Blindern  
N-0314 OSLO, NORWAY

Office address:  
Gaustadalléen 30  
0373 OSLO

Telephone:  
+47 22 96 03 30  
Fax:  
+47 22 96 05 50

Enterprise number:  
NO 974404532

**[13] Schedule****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1450****[15] Description of Equipment or Protective System**

Junction box of stainless steel for certified terminals listed in descriptive documents. Connection to the earth terminal must be done by the means of a cable-lug connection. Certified EEx e cable glands with ingress protection code IP66 must be used when installed.

The enclosure can alternatively be used exclusively for intrinsically safe circuits. In this case the enclosure will be marked only EEx ia IIC T6.

**Type Designation**

SXTB-75

**Technical Data**U<sub>max</sub> = 750V**Ingress Protection Code**

IP66 according to EN 60529: 1991

**Maximum number of terminals for conductors size**

Current (A)	2,5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	35 mm <sup>2</sup>
5	360					
7		320				
8			260			
13				200		
16	31					
20		34			180	
21						
25			29			
27						120
35				27		
63					17	
100						9

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**[16] Report No.: 11031****Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Increased Safety Type Junction Box	BB00783A	-	2003-05-01	1
Earth Terminal, Detail	BB00783B	-	2003-02-17	1
Terminal List	BB00783C	-	2004-10-05	1

**[17] Special Conditions for Safe Use**

None

**[18] Essential Health and Safety Requirements**

See item 9

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**SUPPLEMENT 3 TO EC-TYPE EXAMINATION CERTIFICATE****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1450****[15] Description of Equipment or Protective System**

This Certificate is extended to include use the following ATEX certified screwless terminals according to descriptive documents:

**Type (series)**

ZDU

ST

280 to 284

**Manufacturer**

Weidmüller

Phoenix

WAGO

**Technical Data**U<sub>max</sub>= 550V**[16] Report No. 45948****Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Terminal List	BB00783D	-	2004-12-02	1
Terminal List	BB00783D	-	2004-12-02	1

**[17] Special Conditions for Safe Use**

None

**[18] Essential Health and Safety Requirements**

See item 9

Oslo, 2005-07-13

**Rolf Hoel****Certification Department**

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