

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 10 ATEX 86579**
- [4] Equipment or Protective System: **Full Plastic Explosion-proof Plugs and Sockets CZ0251...**
- [5] Applicant – Manufacturer or Authorized representative: **CZ EXPLOSION-PROOF ELECTRIC APPLIANCES Co., LTD**
- [6] Address: **No. 1 Qixing Rd, Qixing Town, Nanhu District, Jiaxing City, Zhejiang Province, Postal code: 314 002 China**
- [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, EN 60079-1: 2007, EN 60079-7: 2007, EN 61241-0: 2006 and EN 61241-1: 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:



Ex de IIC T6 (Ta ≤ 45°C) / T5 (Ta ≤ 55°C) Gb
Ex tD A21 T80°C (Ta ≤ 45°C) / T95°C (Ta ≤ 55°C) IP66

Høvik, 2011-01-11
for Det Norske Veritas AS

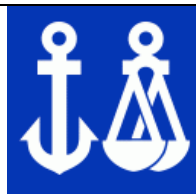

Marianne Spæren
Certification Manager



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 10 ATEX 86579

Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-3017	2011-01-11

[15] **Description of Equipment or Protective System**

The socket and plug composes a plug-and-socket device. The type of protection is Flameproof Enclosure and Increased Safety / Protection by Enclosure. The socket and plug is inclusive wall type and coupler type.

Type Identification

CZ	02	5	1	☐	☐	☐	☐	☐	☐
									0: Non-plug
									7: Plug code (with plug)
									0: No auxiliary
									4: With auxiliary, 1NO
									Clock position
									Poles
									4: Wall type socket
									3: Coupler type
									7: Plug
									Code of rated current: 16 A
									Code of product type: Series of plug and sockets
									Year number of design and development of product
									Abbreviation code of manufacturer name

Ambient temperature

$-40^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}/+55^{\circ}\text{C}$

Electrical Data

Rated current: 16A

Rated voltage: 3-pole: 415VAC, 4-pole: 690VAC, 5-pole: 500VAC, 50/60Hz

Degrees of protection (IP Code)

IP66

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[16] Project No.: PRJC-259331-2010-PRC-CHN

Descriptive Documents

Number	Title	Rev.	Date
2CZ0251.003.001~7	CZ0251 80007 Full plastic explosion-proof panel type plugs and sockets General assembly drawing	AA	2008-08-15
5CZ0251.008.003.1~2	CZ0251 83000 Full plastic explosion-proof panel type sockets	AA	2008-08-15
5CZ0251.008.004.1~4	CZ0251 84000 Full plastic explosion-proof panel type sockets	AA	2008-08-15
5CZ0251.008.005.0	CZ0251 8506 00 Full plastic explosion-proof panel type sockets	AA	2008-08-15
5CZ0251.008.003K.0	Flameproof 16A 2-pole inter lock switch	AA	2008-08-15
5CZ0251.008.005K.0	Flameproof 16A 4-pole inter lock switch	AA	2008-08-15
2CZ0251.001.001~011	CZ0251 4000(4)7 Full plastic explosion-proof Wall type plugs and sockets General assembly drawing	AA	2008-08-15
2CZ0251.002.001~007	CZ0251 30007 Full plastic explosion-proof Wall type plugs and sockets General assembly drawing	AA	2008-08-15
5CZ0251.007.003.1~2	CZ0251 73000 Full plastic explosion-proof Plugs	AA	2008-08-15
5CZ0251.007.004.1~4	CZ0251 74000 Full plastic explosion-proof Plugs	AA	2008-08-15
5CZ0251.007.005.0	CZ0251 7506 00 Full plastic explosion-proof Plugs	AA	2008-08-15
5CZ0251.004.003.1~2	CZ0251 43000 Full plastic explosion-proof Wall type sockets	AA	2008-08-15
5CZ0251.004.004.1~4	CZ0251 44000 Full plastic explosion-proof Wall type sockets	AA	2008-08-15
5CZ0251.004.004F.1~3	CZ0251 44040 Full plastic explosion-proof Wall type sockets	AA	2008-08-15
5CZ0251.004.005.0	CZ0251 4506 00 Full plastic explosion-proof Wall type sockets	AA	2008-08-15
5CZ0251.004.005F.0	CZ0251 4506 40 Full plastic explosion-proof Wall type sockets	AA	2008-08-15
5CZ0251.003.003. 1~2	CZ0251 33000 Full plastic explosion-proof Coupler type sockets	AA	2008-08-15
5CZ0251.003.004. 1~4	CZ0251 34000 Full plastic explosion-proof Coupler type sockets	AA	2008-08-15
5CZ0251.003.005.0	CZ0251 3506 00 Full plastic explosion-proof coupler type sockets	AA	2008-08-15

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Number	Title	Rev.	Date
8CZ0251.004.003.1	16A/3P Box	AA	2008-08-15
8CZ0251.004.003.2	16A/3P Box Cover	AA	2008-08-15
8CZ0251.004.005.1	16A/5P(4P) Box	AA	2008-08-15
8CZ0251.004.005.2	16A/5P(4P) Box Cover	AA	2008-08-15
8CZ0251.003.003.1	16A/3P Coupler type enclosure	AA	2008-08-15
8CZ0251.003.005.1	16A/5P(4P) Coupler type enclosure	AA	2008-08-15
8CZ0251.004.003.4	16A Plugs and sockets nameplate	AA	2008-08-15
8CZ0251.004.004.1			
8CZ0251.004.005.6			
8CZ0251.003.003.2			
8CZ0251.003.004.1			
8CZ0251.003.005.2			
8CZ0251.007.003.17			
8CZ0251.007.004.6			
8CZ0251.007.005.11			

Routine tests

- A routine dielectric test according to 7.1 of EN60079-7 must be carried out.

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE

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