

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: Presafe 14 ATEX 5548X Issue 0
- [4] Equipment or Protective System: Digital Flame Proof Dual IR Flame Detector
- [5] Applicant – Manufacturer or Authorized representative: Gulf Security Technology Co., Ltd.
- [6] Address: No. 80 Changjiang East Road, QETDZ, Qinhuangdao, Hebei, China 066004
- [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 Nemko Presafe AS, notified body number 2460 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 and EN 60079-1: 2007 and EN 60079-31: 2009
- [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:



II 2 G
II 2 D

Ex d IIC T6 Gb, -20°C ≤ Ta ≤ + 55°C
Ex tb IIIC T85°C Db



Ståle Sandstad

For DNV Nemko Presafe AS

Information on electronic signature www.presafe.com



Date of issue:

2015-03-17

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No.: Presafe 14 ATEX 5548X Issue 0

Certificate History

Issue	Description	Report no.	Issue date
0	Original issue	D0001504	2015-03-17

[15] Description of Equipment or Protective System

This certificate cover a Digital Flame Proof Dual IR Flame Detector made in stainless steel , and consists of back cover and top cover with a Sapphire (Al₂O₃) . the back cover and top cover is connected by spigot joints and hexagon socket head cap screws(M8×25). The screws used for the assembly must be of yield stress higher or equal to 700N/mm².

It has one incorporated cable gland with rubber sealing ring and one blanking element installed in back cover by threaded joints M27×2. Detection and control circuit are installed inside the enclosure.

Type Identification

D-9107RExd

Electrical Data

Operating Voltage: 24VDC

Degrees of protection (IP Code)

IP65

[16] Project No.: D0001504

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Descriptive Documents

Number	Title	Rev.	Date	Sheets
F3.780.649	General Assembly	V2	2014-1-21	1
F6.106.247-01	Pressing Nut	V1	2014-1-21	1
F6.106.247-03	Washer	V1	2014-1-21	1
F6.106.247-04	Sealing Ring	V4	2014-1-21	1
F6.106.352-01-02	Retaining Ring	V1	2014-1-21	1
F6.106.352-01-03	Rubber Washer	V1	2014-1-21	1
F6.106.352-01-04	Sapphire	V3	2014-1-21	1
F6.106.352-01-05	Detector Shield	V1	2014-1-21	1
F6.106.376-02-01b	Back Cover	V3	2014-1-21	1
F6.106.376-02-02	Mounting Board	V1	2014-1-21	1
F6.106.376-02-03	Rope Screw	V1	2014-1-21	1
F6.106.376-02-04	Plug	V2	2014-1-21	1
F6.106.427-01	Cable Gland	V1	2014-1-21	1
F6.106.815-01-01	Top Cover	V3	2014-1-21	1
F6.116.258	Bottom Cover	V1	2014-1-21	1
F8.807.1583	Nameplate	V7	2015-3-16	1

Routine Test

Every box must be tested according to EN 60079-1, Clause 16. The test pressure shall be 1.1MPa.
Duration between 10s and 60s

[17] Special Conditions for Safe Use

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of IEC 60079-1.

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE