IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx NEP 23.0012X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2024-03-06		
Applicant:	SHENZHEN SHIGUO TECHNOLOGY INC 3F, No.50, 3rd Industrial Park, Houting, Shajing Town Bao'an District Shenzhen 518104 China		
Equipment:	EXPLOSION PROOF CAMERA, SGC-EX series		
Optional accessory:			
Type of Protection:	Ex db, tb		
Marking:	Ex db IIC T6 Gb/Ex tb IIIC T80°C Db Ta: -20°C ~+60°C		

Approved for issue on behalf of the IECEx Certification Body: Guo Aihua

Position: General Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITIIAS)/
National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China

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Manufacturer: SHENZHEN SHIGUO TECHNOLOGY INC
3F, No.50, 3rd Industrial Park, Houting, Shajing Town
Bao'an District Shenzhen 518104
China

Manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

CN/NEP/ExTR23.0016/00

Quality Assessment Report:

CN/NEP/QAR23.0014/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Explosion Proof Camera,type SGC-EX series consist of enclosure with back cover and one toughened glass windowin the front. The enclosure is made of stainless steel 304, Inside of the enclosure including camera and terminals are intended for connection to external circuits.The EXPLOSION PROOF CAMERA have a cable gland and a blanking plug. The degree of protectionof EXPLOSION PROOF CAMERA is IP68 (1.2m/45min).

Type definition:

SGC-Ex-a

a can be D Z X which represents large, medium, and small size.

SGC-Ex-D has a volume of approximately 5306cm³

SGC-Ex-Z has a volume of approximately 3395cm³

SGC-Ex-X has a volume of approximately 2262cm³

Ecectrical data:

DC12V, AC220V

SPECIFIC CONDITIONS OF USE: YES as shown below:
a) For information on the dimensions of the flameproof joints contact the manufacturer.

b) The property class of the special fasteners which are relevant to the flameproof joint should be A2-70.

c) The ambient temperature:-20°C ~+60°C.

d) The installation must be installed in accordance with the requirements of IEC 60079-14:2013.