



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 BAS 09.0135X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2020-02-26)
Date of Issue:	2023-09-08		Issue 4 (2019-04-29)
Applicant:	Topworx Incorporated 3300 Fern Valley Road Louisville Kentucky 40213 United States of America		Issue 3 (2012-11-27)
Equipment:	70 Series Connection Head		Issue 2 (2011-12-22)
Optional accessory:			Issue 1 (2011-09-22)
Type of Protection:	Flameproof, Increased Safety, Dust, Protection by Enclosure		Issue 0 (2010-09-17)
Marking:	Ex db eb IIC T6 (-40°C ≤ Ta ≤ +50°C) Gb or T4 (-40°C ≤ Ta ≤ +100°C)		
	Ex tb IIIC T85°C (-40°C ≤ Ta ≤ +50°C) Db IP66 or T130°C (-40°C ≤ Ta ≤ +100°C)		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

8/9/2023

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:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **Topworx Incorporated**
3300 Fern Valley Road
Louisville
Kentucky 40213
United States of America

Manufacturing locations: **Topworx Incorporated**
3300 Fern Valley Road
Louisville
Kentucky 40213
United States of America

Asco Valve (Shanghai) Co. Limited
No.480, Xin Miao No.3 Road
Xiao Qiao Town
Song Jiang District
Shanghai 201612
China

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

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

[GB/BAS/ExTR09.0191/00](#)
[GB/BAS/ExTR12.0301/00](#)

[GB/BAS/ExTR11.0222/00](#)
[GB/BAS/ExTR19.0057/00](#)

[GB/BAS/ExTR11.0308/00](#)
[GB/BAS/ExTR21.0096/00](#)

Quality Assessment Reports:

[GB/SIR/QAR07.0025/11](#)

[GB/SIR/QAR07.0041/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 70 Series Go Switch with Connection Head, comprises of:-

The connection head, which is a $\varnothing 68\text{mm} \times 56\text{mm}$ aluminium terminal box and screwed on lid, complete with 3 or 6 off Ex eb II PCB pin mounted terminal blocks and 1 PCB pin mounted earth terminal, Phoenix type FRONT 2,5.... The PCB wire connections are mechanically secured using epoxy resin. The connection head has two threaded entry holes in bosses in the box wall that may be M20x1.5P, 1/4"NPT or 1/2"NPT. One entry hole is for a suitable IECEx certified cable gland and the other entry is fitted with a TOPWORX 70 Series GO Switch to IECEx BAS08.0122X via a suitably certified 1/2" male NPT to NPT adaptor.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The 70 Series Go Switch with Connection Head assembly shall be suitably earthed by its installation via the male thread of the Go Switch body.
2. Do not allow dust layers to build up on this product.
3. All terminal screws, used and unused, shall be fully tightened down by the end user.
4. No more than one single or multi-stranded lead shall be connected to the terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated bootlace ferrule, or any method indicated on the terminal certificate.
5. All terminals, and accessories such as cross-connectors, shall be installed in accordance with the terminal manufactures instructions. Topworx Incorporated will supply the relevant terminal manufacturer's instructions with each assembly covered by this certificate.
6. The maximum voltage and current shown on the rating label must not be exceeded.
7. When connecting conductors of cross section below the maximum 2.5mm^2 allowed for the terminal then the maximum amps per pole must be reduced inline with the maximum amps permitted for a terminal equivalent to the conductor size fitted.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 6.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-7: 2017 Edition 5.1

ExTR: **GB/BAS/ExTR21.0096/00**

File Reference: **21/0331**