



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 18.0044X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2018-07-30\)](#)
Date of Issue: 2023-09-08
Applicant: **Topworx Incorporated**
3300 Fern Valley Road
Louisville
Kentucky 40213
United States of America
Equipment: **70 Series GO Switch 73 Series**
Optional accessory:
Type of Protection: **Protection by type of protection "n", increased safety**
Marking: **Ex eC nC IIC T2 Gc Tamb -40°C ≤ T_a ≤ 205°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

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 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[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/ExTR18.0139/00](#)

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

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Series 70 GO Switch (Model 73) is a non-contact, magnetically actuated proximity switch employing SPDT dry contacts, hermetically sealed to prevent the intrusion of flammable gases or vapors. The contacts are rated up to 120V. As the heat dissipated by the switch is a function of the switch passing current ($P=I^2R$) rather than consuming current the maximum power ratings can be considered to include any values for current which dissipate less energy across the contacts than the maximum of 4A/120Vac or 3A/24Vdc, based on a maximum resistance of 0.5 Ohms. Therefore, device may dissipate up to 8 Watts at 120V ($P = (4 \text{ Amps})^2 \times 0.5 \text{ Ohms}$). Further, the switch mechanism enclosure is a machined stainless steel, with no weldments, and comprises a 5/8-18 or 18mm male external thread for mounting, and a 1/2NPT or M20 female threaded cable entry on the opposite end of switch.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Installation must not expose the equipment to temperatures outside the range of -40°C to 205°C.
2. The open end of the switch hosing must be sealed to form an enclosure complying with the requirements for the type of protection 'eC' in accordance with IEC/EC 60079-0 and IEC/EN 60079-7
3. The integral supply cables must be mechanically protected and terminated in a suitable terminal or junction facility.
4. An external earth bonding connection may be maintained by either the external mounting thread and/or the internal cable gland/conduit entry thread



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 1.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2017 Edition 7 and IEC 60079-7: 2017 Edition 5.1

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

File Reference: **21/0331**