

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0420X**

4 Product: **70 Series GO Switch with Connection Head**

5 Manufacturer: **Topworx Incorporated**

6 Address: **3300 Fern Valley Road, Louisville, Kentucky 40213, USA**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0096/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0: 2018 EN 60079-1: 2014 EN IEC 60079-7: 2015+A1: 2018 EN 60079-31: 2014

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 II 2 GD	Ex db eb IIC T6 Gb	Ex db eb IIC T4 Gb
	Ex tb IIIC T85°C Db IP66	Ex tb IIIC T130°C Db IP66
	(-40°C ≤ Ta ≤ +50°C)	(-40°C ≤ Ta ≤ +100°C)

SGS Baseefa Customer Reference No. **2191**

Project File No. **21/0331**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0420X**

15 **Description of Product**

The 70 Series Go Switch with Connection Head comprises:

The connection head, which is a $\phi 68\text{mm} \times 56\text{mm}$ aluminium terminal box and screwed on lid complete with 3 or 6 off Ex e 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, ¼" NPT or ½" 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 ½" male NPT to NPT adaptor.

2 – switch options

- ~ 4A at 120VAC
- ~ 3A at 120VAC
- ~ 3A at 24VDC
- ~ 1A at 24VDC

16 **Report Number**

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17 **Specific Conditions of Use**

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 manufacturer's 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 in line with the maximum amps permitted for a terminal equivalent to the conductor size fitted.

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
CERT-ES-09219-1 Baseefa09ATEX0281X	1	AA	10/15/2021	ASSY, NAMEPLATE & ARTWORK Certificate