1 # TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

3 Type Examination Certificate Number: **Baseefa18ATEX0064X – Issue 1**

3.1 In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016**.**

4 Product: **70 Series GO Switch 73 Series**

5 Manufacturer: **Topworx Incorporated.**

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

7 This re-issued certificate extends Type Examination Certificate No. **Baseefa18ATEX0046X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products of Category 3 intended for use in potentially explosive atmospheres given in Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0: 2018 EN 60079-7: 2015 +A1: 2018 IEC 60079-15:2017

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

12 The marking of the product shall include the following:

Ex II 3G Ex eC nC IIC T2 Gc Tamb -40°C ≤ T_a ≤ 205°C

SGS Fimko Oy Customer Reference No. **2191** Project File No. **21/0331**

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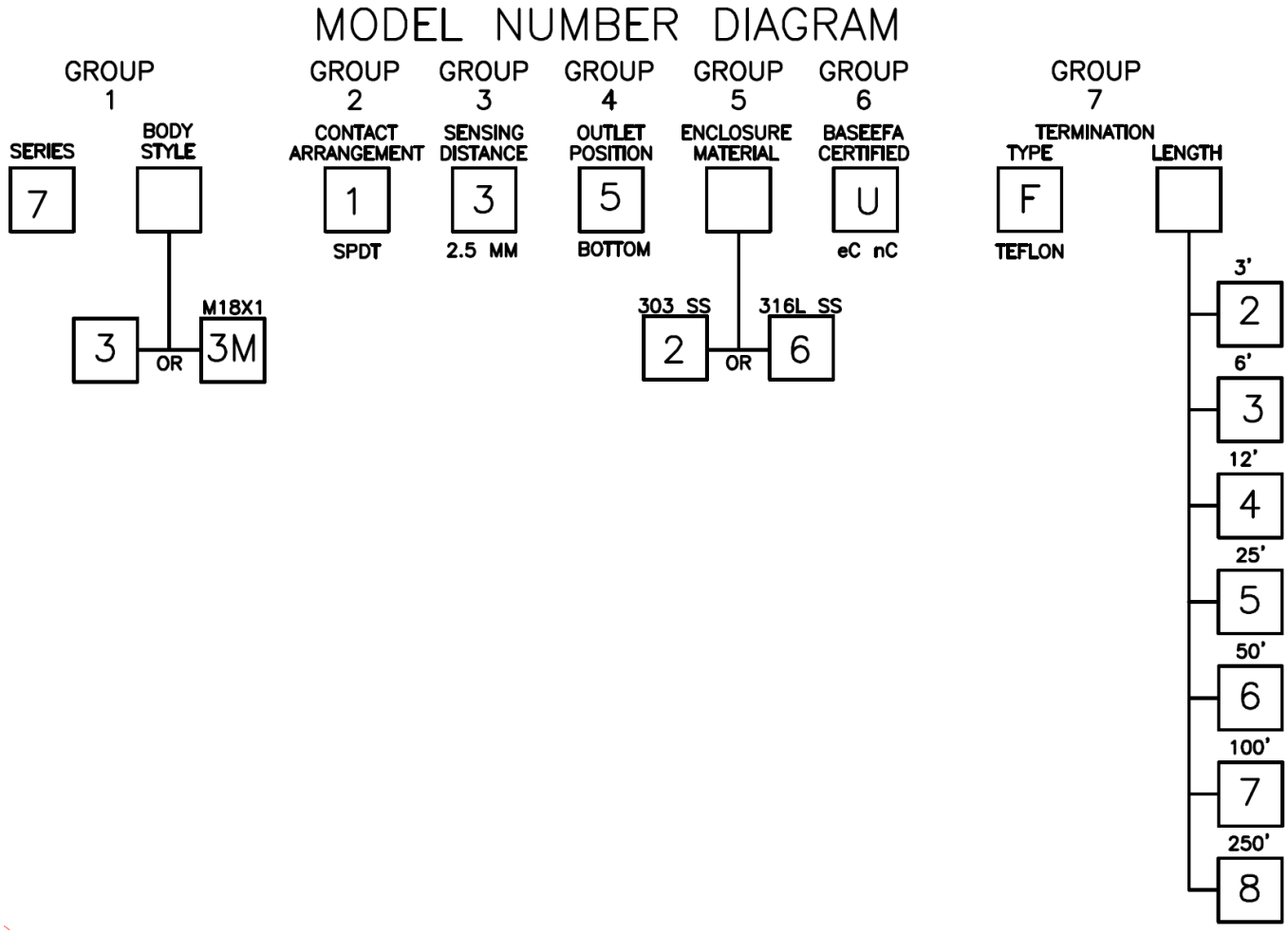
13 # Schedule

14 ## Certificate Number Baseefa18ATEX0064X – Issue 1

15 Description of Product

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 vapours. 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 Amps)2 x 0.5 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.

The switch model number is used to further describe each assembly as follows:



16 Report Number

See Certificate History

17 Specific Conditions of Use

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 housing must be sealed to form an enclosure complying with the requirements for the type of protection 'eC' in accordance with IEC/EN 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.

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
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
*CERT-ES-09588-1		AA	06/06/2023	NAMEPLATE 70 Series IECEx/NEC (-40°C to +205°C)

* The above drawing is common to Baseefa18ATEX0064X, IECEx BAS 18.0044X and BAS21UKEX0424X

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
CERT-ES-06509-1	1	A	05/23/2018	73 SERIES MASTER ASSY IECEx/ATEX Ex nC IIC WITH HERMETIC SEAL
CERT-ES-06700-1	1	1	06/06/2018	MARKINGS Artwork IEC/ATEX Ex nC (-40°C TO 205°C)
CERT-ES-06754-1	1	A	06/06/2018	CREEPAGE AND CLARANCE CERTIFICATION DRAWING Ex eC nC
S-S70-0340	1	8	10/22/15	73 SERIES STANDARD BODY TUBES WITH HERMETIC SEAL
S-S70-4006	1	6	6/04/03	GLASS HEADER
S-W060	1	10	06/26/18	HI TEMPERATURE CUT LEADS
S-W061	1	10	06/26/18	HI TEMPERATURE CUT LEADS
S-W062	1	10	06/26/18	HI TEMPERATURE CUT LEADS
S-W063	1	7	06/26/18	HI TEMPERATURE CUT LEADS

These drawings are common to, and held with, IECEx BAS 18.0044X

20 Certificate History

Certificate No.	Date	Comments
Baseefa18ATEX0064X	3 December 2003	The release of the prime certificate. The associated test and assessment against the requirements of IEC 60079-0:2017, EN 60079-7:2015 and IEC 60079-15:2017 is documented in Test Report GB/BAS/ExTR18.0139/00.
Baseefa18ATEX0064X Issue 1	6 September 2023	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-0: 2018 & EN 60079-7: 2015 + A1: 2018. The associated assessment is documented in Test Report GB/BAS/ExTR21.0096/00.
For drawings applicable to each issue, see original of that issue.		