



国家防爆

防爆合格证

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

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

Product Go Switch with Connection Head

Type 7***5*****

Marking Ex d e IIC T4/T6 Gb , Ex tD A21 IP66 T130°C/T85°C

Standard(s) --

Drawing No. CERT-ES-01713-1

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

- GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
- GB 3836.2-2014 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
- GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
- GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust - Part 1:General requirements
- GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust - Part 5:Protection by enclosure "tD"

Note:

See Annex (3 pages in total).

Director

Date:

2022-03-07

Valid until:

2027-03-06



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Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.

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Page 1 of 3

1.This product has been certified, under certificate number IECEx BAS 09.0135X, issue 5, dated 2020-02-26.

2.Type designation:

7***5*****

7	*	*	*	5	*	*	**	*	*	*****
Series	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)

1) Body style: 1 or 1M, 3 or 3M, 5 or 5M, 7, G or GM, I

1M: M12×1

3M,5M,GM: M18×1

2) Contact arrangement: 1, 2

1: S.P.D.T

2: D.P.D.T

3) Sensing distance: 3, 4, 5, 6

3: 2.5mm

4: 1.8mm

5: 1.5mm

6: 1.0mm

4) Outlet position: 5

5) Enclosure material: 2 or 6

2: 303 S.S

6: 316 S.S

6) Certified Option: X, Y

X: Ex d e with Hermetic seal

Y: Ex d e

7) Termination type: JA, JS

JA: Junction Box (Aluminum)

JS: Junction Box (Stainless Steel)

8) Conduit Opening: P, M

P: ½" NPT

M: M20

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9) Regional Cert

- Blank: UL (North America), IECEx, ATEX
- B: InMetro (Brazil)
- K: KCs (Korea)
- N: CCCEX (China)
- P: PESO (India)
- R: EAC (Eurasian Economic Union)
- T: ITRI (China Taiwan)

10) Custom Build Indents

6 digits (without relevance for explosion protection.)

3.Ratings: 1.2A at 24VAC, 0.5A at 125VAC, 4A at 120VAC, 3A at 120VAC,
3A at 24VDC, 1A at 24VDC

4.The corresponding relationship between ambient temperature and temperature class is as follows:

Ambient temperature	Temperature class
$-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$	T6/T85°C
$-40^{\circ}\text{C} \leq T_a \leq +100^{\circ}\text{C}$	T4/T130°C

5.Specific conditions of safety 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.

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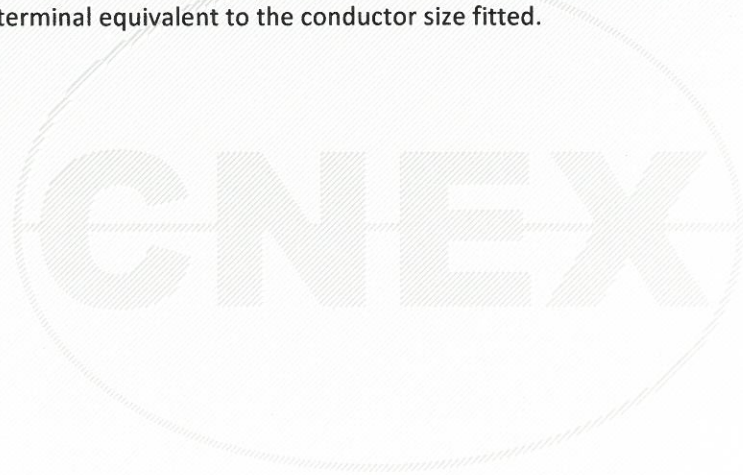


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- 5) All terminals, and accessories such as cross-connectors, shall be installed in accordance with the terminal manufacturer's instructions. Topworx Incorporated will supply the relevant terminal manufacturer's instructions with each assembly covered 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 2.5mm² 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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