



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000498

Applicant Topworx Incorporated
Address 3300 Fern Valley Road, Louisville, Kentucky 40213, United States of America
Manufacturer Topworx Incorporated
Address 3300 Fern Valley Road, Louisville, Kentucky 40213, United States of America
Production Factory Topworx Incorporated
Production Address 3300 Fern Valley Road, Louisville, Kentucky 40213, United States of America
Product Go Switch with Connection Head
Model/Type 7***5*****
Ex marking Ex db eb IIC T4/T6 Gb, Ex tb IIIC T130°C/T85°C Db
Reference Standards GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021, GB/T3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages)

Initial issue date: 2021-10-29

Issued date: 2023-03-20

Valid to: 2026-10-28

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



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Product information:

1. This certificate covers the following models:

- 7***5*****

Nomenclature for model:

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
- 9) Regional Cert

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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.)

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

Ex marking: Ex db eb IIC T4/T6 Gb, Ex tb IIIC T130°C/T85°C Db

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

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Ingress protection: IP66.
- 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.
- Do not allow dust layers to build up on this product.
- All terminal screws, used and unused, shall be fully tightened down by the end user.
- 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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- 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.
 - The maximum voltage and current shown on the rating label must not be exceeded.
 - 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.
 - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2106C172, CQST2106C172/01
 - Factory inspection report:CN2021Q010370
4. Certificate change information:
- 1st change on March 20, 2023: Updated the standards for certification.

Issued date: 2023-03-20

Director:



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