

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000496

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

Model/Type 81-*0**F-********, 81-*0**G-*******, 81-*0**H-*******

Ex ia IIC T6/T4/T3 Ga, Ex ia IIIC T85℃/T135℃ /T200℃ Da

Reference Standards GB/T 3836.1-2021, GB/T 3836.4-2021

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 CNEX-C2301-2019 Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product.

See Annex for the detailed product information (5 pages).

Initial issue date: 2021-10-25

Issued date: 2023-03-25 Valid to: 2026-10-24

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.



http://www.ccc-cnex.com ccc.china-ex.com Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008
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CATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

(AIII) No.: 2021312315000496

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Product information:

This certificate covers the following models:

- 81-*0**F-******* 81-*0**G-****** 81-*0**H-*

Nomenclature of 81-*0**F/G-

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	D))))	1)		2)	3)	4)	الروا	5)	6)	7)

Contact Form

1=Single Pole, Double Throw

2=Double Pole, Double Throw

Outlet Position

1=Side Outlet

5=Bottom Outlet

Enclosure Material

1=Stainless Steel

2=316L Stainless Steel

Certification Code

F=Zone 0, Temp.Class.T6

G=Zone 0, Temp.Class.T4

Termination Options

A2=3' PVC Covered Leads

A3=6' PVC Covered Leads

A4=12' PVC Covered Leads

A5=25' PVC Covered Leads

A6=50' PVC Covered Leads A7=100' PVC Covered Leads

A8=250' PVC Covered Leads

Issued date: 2023-03-25

Director:









E FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

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B2=3' Rubber Covered Cable B3=6' Rubber Covered Cable B4=12' Rubber Covered Cable B5=25' Rubber Covered Cable B6=50' Rubber Covered Cable B7=100' Rubber Covered Cable B8=250' Rubber Covered Cable F2= 3' Teflon Covered Leads F3= 6' Teflon Covered Leads F4= 12' Teflon Covered Leads F5=25' Teflon Covered Leads F6=50' Teflon Covered Leads F7=100' Teflon Covered Leads F8=250' Teflon Covered Leads S2= 3' Silicone Covered Leads S3= 6' Silicone Covered Leads S4= 12' Silicone Covered Leads S5=25' Silicone Covered Leads S6=50' Silicone Covered Leads S7=100' Silicone Covered Leads S8=250' Silicone Covered Leads DCD=4 Pin Mini-Charge Male Connector DCG=5 Pin Mini-Charge Male Connector

Regional Cert

Blank: UL (North America), IECEx, ATEX

DCH=7 Pin Mini-Charge Male Connector

B: InMetro (Brazil) K: KCs (Korea) CCCEx (China) P: PESO (India)

Issued date: 2023-03-25

Director:









E FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

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T: ITRI (China Taiwan)

7) Custom Build Indents

6 digits (without relevance for explosion protection)

The product is powered by Ex ia IIC intrinsically safe power supply that meets the GB/T 3836.4 standard.

Input Parameters:

Switch Variants with Termination Options 'DCD', 'DCG' & 'DCH':

Ui=30V, Ii=0.25A, Ci=0nF, Li=0µH

Switch Variants with Wiring Options 'A*', 'B*', 'F*' & 'S*'

Ui=30V, Ii=0.25A, Ci=33nF, Li=200µH

Nomenclature of 81-*0**H-******:

81	1	*	0	*	*	Н	-	*	*	*****
		1)		2)	3)	4)		5)	6)	7)

Contact Form

1=Single Pole, Double Throw

2=Double Pole, Double Throw

Outlet Position

1=Side Outlet

5=Bottom Outlet

- **Enclosure Material**
 - 1=Stainless Steel

2=316L Stainless Steel

4) Certification Code

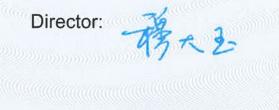
H=Zone 0, Temp.Class.T3

Termination Options

F2= 3' Teflon Covered Leads

Issued date: 2023-03-25

Director:





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



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TE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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F3= 6' Teflon Covered Leads F4= 12' Teflon Covered Leads F5=25' Teflon Covered Leads F6=50' Teflon Covered Leads F7=100' Teflon Covered Leads F8=250' Teflon Covered Leads S2= 3' Silicone Covered Leads S3= 6' Silicone Covered Leads S4= 12' Silicone Covered Leads S5=25' Silicone Covered Leads S6=50' Silicone Covered Leads S7=100' Silicone Covered Leads

S8=250' Silicone Covered Leads

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)

Custom Build Indents

6 digits (without relevance for explosion protection)

The product is powered by Ex ia IIC intrinsically safe power supply that meets the GB/T 3836.4 standard.

Input Parameters: Ui=30V, Ii=0.25A, Ci=33nF, Li=200µH

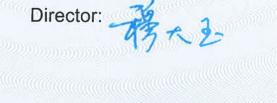
Ex marking:

Model Number

Marking

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OR CHINA COMPULSORY PRODUCT CERTIFICATION

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81-*0**F-*****	Ex ia IIC T6 Ga, Ex ia IIIC T85℃ Da (-40℃≤Ta≤+50℃)				
81-*0**G-*****	Ex ia IIC T4 Ga, Ex ia IIIC T135℃ Da (-40℃≤Ta≤+100℃)				
81-*0**H-*****	Ex ia IIC T3 Ga, Ex ia IIIC T200°C Da (-40°C≤Ta≤+150°C)				

- Producers should organize production in accordance with the technical documents approved by the certification body.
- Specific conditions of safety use:
 - All switch contacts within one limit switch assembly must form part of the same intrinsically safe circuit.
 - The proximity switches do not require a connection to earth for safety purposes, but an earth connection is provided which is directly connected to the metallic enclosure. Normally an intrinsically safe circuit may be earthed at one point only. If the earth connection is used, the implication of this must be fully considered in any installation. e.g. by use of a galvanically isolated interface.
 - When using this product, it must be powered by an Ex ia IIC intrinsically safe power supply that meets the GB/T 3836.4 standard and has obtained CCC certification.
 - The flying leads must be terminated in a manner suitable for the zone of installation.
 - See instruction for other information.
- Certificate related report(s):
 - Type test report: CQST2106C174, CQST2106C174/01
 - Factory inspection report: CN2021Q010370
- Certificate change information:
 - 1st change on March 25, 2023: Updated the standards for certification.

Issued date: 2023-03-25

Director:

