



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000470

**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** MTS Switch  
**Model/Type** MTS/MTSM11\*\*\*  
**Ex marking** Ex ia IIC T6/T4 Ga, Ex ia IIIC T85°C/T135°C Db  
**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 (2 pages).

Initial issue date: 2021-08-24

Issued date: 2023-03-25

Valid to: 2026-08-23

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](http://ccc.china-ex.com)

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CN 0001651



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312315000470

Page 1 of 2

**Product information:**

1. This certificate covers the following models:

- MTS/MTSM-11\*\*\*

**Nomenclature:**

MTS/MTSM	1	1	*	*	*
1)	2)	3)	4)	5)	6)

- 1) Body Tube, Conduit Entry  
 MTS: 5/8" – 18 Body, NPT 1/2" Entry  
 MTSM: M18×1.0 Body, M20×1.5 Entry
- 2) Contact Form  
 1: 0.25 mA MAX SPDT
- 3) Area Classification  
 1: Hazardous Locations Global
- 4) Termination  
 A: Flying Leads  
 B: PVC Cable  
 S: Silicone Cable
- 5) Designates Regional Approval  
 Blank  
 B – InMetro (Brazil)  
 K – KCs (Korea)  
 N – CCCEX (China)  
 P – PESO (India)  
 R – EAC (Eurasian Economic Union)
- 6) Designates internal customer identification  
 Blank

Issued date: 2023-03-25

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No.: 2021312315000470

Page 2 of 2

XXXX: Any 4-digit alphanumeric designation from 0001 to 9999 (Not affecting Ex performance)

## PARAMETERS RELATING TO THE SAFETY

$U_i=30V$ ,  $I_i=250mA$ ,  $C_o=60.02nF$ ,  $L_o=200\mu H$

Ingress Protection: IP66/IP67

Ex marking:

Ambient temperature range:  $-40^{\circ}C \leq T_a \leq +70^{\circ}C$

Ex ia IIC T6 Ga, Ex ia IIIC T85°C Db

Ambient temperature range:  $-40^{\circ}C \leq T_a \leq +85^{\circ}C$

Ex ia IIC T4 Ga, Ex ia IIIC T135°C Db

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

### 2. Specific conditions of safety use:

- See instruction.

### 3. Certificate related report(s):

- Type test report: CQST2105C082, CQST2105C082/01

- Factory inspection report: CN2021Q010370

### 4. Certificate change information:

- 1st change on March 25, 2023: Updated the standards for certification.

Issued date: 2023-03-25

Director:



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

