



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000471

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 Proximity Switches
Model/Type MTS/MTSM31***
Ex marking Ex db IIC T5/T4 Gb, Ex tb IIIC T100°C/T135°C Db
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.31-2021

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 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: 2021-08-12

Issued date: 2023-03-25

Valid to: 2026-08-11

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>
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CN 0001652



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Product information:

1. This certificate covers the following models:

- MTS/MTSM31***

Nomenclature:

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

- 1) Designates the Model
 MTS: 5/8" - 18 Mounting thread, NPT 1/2" conduit entry
 MTSM: M18 - Mounting thread, M20 conduit entry
- 2) Designates the contact form
 3: 3A MAX, SPDT (Form C) Hermetically Sealed
- 3) Designates the area classification
 1: Hazardous locations
- 4) Designates the lead wire options
 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

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

PARAMETERS RELATING TO THE SAFETY

120Vac, 3A or 240Vac, 1.5A or 24Vdc, 2A

Ingress Protection: IP66/IP67

Ex marking:

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

Ex db IIC T5 Gb, Ex tb IIIC T100 $^{\circ}\text{C}$ Db

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

Ex db IIC T4 Gb, Ex tb IIIC T135 $^{\circ}\text{C}$ 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: CQST2105C081, CQST2105C081/01

- 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.

