



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2022312304001259

**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** Emerson AFCP Poland Sp. z o.o.  
**Production Address** Kurczaki 132, Lodz 93-331, Poland  
**Product** Switchboxes  
**Model/Type** DXR-R\*M\*\*\*\*0000\*\*\*\*\*  
**Ex marking** Ex eb mb IIC T4 Gb, Ex tb IIIC T66°C Db  
**Reference Standards** GB/T3836.1-2021, GB/T3836.3-2021, GB/T3836.9-2021, 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 CNEX-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: 2022-01-20

Issued date: 2023-03-20

Valid to: 2027-01-19

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)

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008  
Tel: 0377-63239734 Email: [ccc@cn-ex.com](mailto:ccc@cn-ex.com)

CN 0001632



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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**Product information:**

1. This certificate covers the following models:

- DXR-R\*M\*\*\*\*0000\*\*\*\*\*

Nomenclature:

DX	R	-	R	*	M	*	*	*	*	0	0	0	0	*	*****
1)	2)		3)	4)	5)	6)	7)	8)	9)	10)	11)	12)	13)	14)	15)

1) Enclosure

2) Enclosure Material

R=Engineered Resin

3) Bus/Sensor

R=Encapsulated Reed Switch Module

4) Number of switches

2: 2 Switches,

4: 4 Switches

5) Area Class

M=Encapsulation with Increased Safety

6) Visual Display

ANY NUMBER OR LETTER

7) Shaft

ANY NUMBER OR LETTER

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8) Conduit Entries

ANY NUMBER OR LETTER

9) O-Rings

ANY NUMBER OR LETTER

10) Pilot

0 OR BLANK=None

11) Spool

0 OR BLANK=None

12) Valve Cv

0 OR BLANK=None

13) Override

0 OR BLANK=None

14) Regional certs

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)

15) Custom Build Indents

6 digits (without relevance for explosion protection)

The DXR-R\*M\*\*\*\*0000\*\*\*\*\* Switchbox monitors the position of a valve by providing electrical feedback and optional visual indication. Housing made of engineering resin, with encapsulated reed switch module inside, 2 or 4 reeds - supply: 1 A/125 V max.

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Ex marking: Ex eb mb IIC T4 Gb, Ex tb IIIC T66°C Db

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

2. Specific conditions of safety use:

- Ingress protection: IP67.

- The DXR-R\*M\*\*\*\*0000\*\*\*\*\* Switchbox shall only be installed in a location where there is a low risk of mechanical damage.

- The DXR-R\*M\*\*\*\*0000\*\*\*\*\* Switchbox shall not be used inside liquid fuel metering pumps, dispensers and remote pumping units.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2109C052, CQST2109C052/01

- Factory inspection report: CN2021Q010526

4. Certificate change information:

- 1st change on March 20, 2023: Updated the standards for certification.

Issued date: 2023-03-20

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