



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000494

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 Micro Junction
Model/Type 7*135*****
Ex marking Ex ia IIC T6/T4/T3 Ga, Ex ia IIIC T85°C/T135°C /T200°C Da
Reference Standards GB/T3836.1-2021, GB/T3836.4-2021

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 (3 pages)

Initial issue date: 2021-10-25

Issued date: 2023-03-20

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>
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Product information:

1. This certificate covers the following models:

- 7*135*****

Nomenclature of 7*135*****.

7	*	1	3	5	*	*	*	*	*****
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

- (1) Series
- (2) Body Style : J = 5/8-18 UNF, JM = M18
- (3) Contacts : 1 = Single Pole, Double Throw
- (4) Sensing Distance : 3 = 2.5mm
- (5) Outlet Position: 5=Rear Outlet
- (6) Material : 2 = 303 S/Steel ,6 = 316L S/Steel
- (7) Certified Approvals: F, G, H

The seventh character of the Model Number (F, G or H) indicates the temperature classification / maximum surface temperature and ambient temperature range of the equipment, which are as follows:

Seventh character of Model Number	Certification Marking
F	Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +50°C) Ex ia IIIC T85°C Da (-40°C ≤ Ta ≤ +50°C)
G	Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +100°C) Ex ia IIIC T135°C Da (-40°C ≤ Ta ≤ +100°C)
H	Ex ia IIC T3 Ga (-40°C ≤ Ta ≤ +150°C) Ex ia IIIC T200°C Da (-40°C ≤ Ta ≤ +150°C)

(8) Connection Type : JSM = M20 , JSP = ½ NPT

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- (9) 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)

- (10) 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/T3836.4 standard.

Input Parameters : $U_i=30V$, $I_i=0.25A$

Ex marking: Ex ia IIC T6/T4/T3 Ga, Ex ia IIIC T85°C/T135°C /T200°C Da

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

2. Specific conditions of safety use:

- Ingress protection: IP66/IP68 (1m/24h) .
- The user must use an Equipment Certified Gland to maintain the ingress protection rating of the product and appropriate for the intended use.
- The Micro Junction does not require a connection to earth for safety purposes, but an earth connection is provided which is directly connected to the metallic enclosure and must be used with care in any intrinsically safe system.
- All connections to the Micro Junction must form part of the same intrinsically safe circuit.
- When using this product, it must be powered by an Ex ia IIC intrinsically safe power

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supply that meets the GB/T3836.4 standard and has obtained CCC certification.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2106C176, CQST2106C176/01

- Factory inspection report: CN2021Q010370

4. Certificate change information:

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

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