

防爆合格证

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Manufacturer

Topworx Incorporated

3300 Fern Valley Road, Louisville, Kentucky, 40213, United States of America

Product

Micro Junction

Type

国家防爆

7*135*******

Marking

Ex ia IIC T6/T4/T3 Ga , Ex iaD 20 T85 $^{\circ}\mathrm{C}/\mathrm{T135}\,^{\circ}\mathrm{C}/\mathrm{T200}\,^{\circ}\mathrm{C}$

Standard(s)

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Drawing No.

CERT-ES-03777-1

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010

Explosive atmospheres - Part 1: Equipment - General requirements

GB 3836.4-2010

Explosive atmospheres - Part 4:Equipment protection by intrinsic safety "i"

GB12476.1-2013

Electrical apparatus for use in the presence of combustible dust - Part 1:General

requirements

GB12476.4-2010

Electrical apparatus for use in the presence of combustible dust - Part

4:Protection by intrinsic safety "iD"

Note:

See Annex (2 pages in total).

Director

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Date: 2022-03-07
Valid until: 2027-03-06



南阳防爆电气研究所

NANYANG EXPLOSION PROTECTED ELECTRICAL APPARATUS RESEARCH INSTITUTE

国家防爆电气产品质量检验检测中心

CHINA NATIONAL QUALITY SURVEY AND TEST CENTER FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS
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1.This product has been certified, under certificate number IECEx BAS 15.0136X, issue 1, dated 2020-02-26.

2. Type designation:

国家防爆

7*125******

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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 \leq Ta \leq + 50° C) Ex iaD 20 T85 $^{\circ}$ C(- 40° C \leq Ta \leq + 50° C)				
G	Ex ia IIC T4 Ga(-40°C \leq Ta \leq +100°C) Ex iaD 20 T135°C(-40°C \leq Ta \leq +100°C)				
Н	Ex ia IIC T3 Ga(-40°C \leq Ta \leq +150°C) Ex iaD 20 T200°C(-40°C \leq Ta \leq +150°C)				

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

(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.)

Director

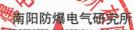
Date:

2022-03-07

Valid until:

2027-03-06





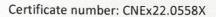
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3.Input Parameters: Ui=30V, Ii=0.25A.

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4.Ingress protection: IP66/IP68 (1m/24h).

5. Specific conditions of safety use:

- 1) The user must use an Equipment Certified Gland to maintain the ingress protection rating of the product and appropriate for the intended use.
- 2) 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.
- 3) All connections to the Micro Junction must form part of the same intrinsically safe circuit.
- 4) When using this product, it must be powered by an Ex ia IIC intrinsically safe power supply that meets the GB3836.4 standard and has obtained certification.

Director

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