



国家防爆

Certificate number: CNEx22.0558X

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 7*135*****

Marking Ex ia IIC T6/T4/T3 Ga , Ex iaD 20 T85°C/T135°C/T200°C

Standard(s) --

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

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



南阳防爆电气研究所
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注：本证书仅对与认可文件和样品一致的产品有效。

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Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.

防爆合格证 (附页)

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Page 1 of 2

1.This product has been certified, under certificate number IECEx BAS 15.0136X, issue 1, dated 2020-02-26.

2.Type designation:

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 iaD 20 T85°C(-40°C ≤ Ta ≤ +50°C)
G	Ex ia IIC T4 Ga(-40°C ≤ Ta ≤ +100°C) Ex iaD 20 T135°C(-40°C ≤ Ta ≤ +100°C)
H	Ex ia IIC T3 Ga(-40°C ≤ Ta ≤ +150°C) Ex iaD 20 T200°C(-40°C ≤ Ta ≤ +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.)

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

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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