

防爆合格证

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY



国家防爆

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

Product GO Switch

Type *2-****9-00*****

Marking Ex d e IIC T6 Gb , Ex tD A21 IP66/IP68 T85°C

Standard(s) --

Drawing No. CERT-ES-02971-1

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 3836.2-2014 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
 GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
 GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust - Part 1:General requirements
 GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust - Part 5:Protection by enclosure "tD"

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
 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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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.



国家防爆

Certificate number: CNEx22.0557X

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 12.0098X, issue 3, dated 2020-03-24.

2.Type designation:

*2-****9-00*****

*	2	-	*	*	*	*	9	-	0	0	*	*	*****
(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)

- (1) Series: 1=10 Series, 2=20 Series
- (2) Body Style
- (3) Contact Arrangement : 1= Single Pole, Double Throw, 3= Single Pole, Double Throw Latching
- (4) Sensing Range : 1=10mm, 2=14mm, 7= 6mm
- (5) Outlet Position : 1=Behind Sensing, 2=Left of Sensing, 3=Right of Sensing, 4=Same Side As Sensing, 5=Bottom of Enclosure
- (6) Enclosure Material : 1=SST, 2=316 SST
- (7) Approvals
- (8) Termination: Terminal Block
- (9) Termination: Terminal Block
- (10) Conduit Outlet: blank=1/2 “-14 NPT, M=M20mm
- (11) 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)
- (12) Custom Build Indents
6 digits (without relevance for explosion protection.)

Director

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防爆合格证 (附页)

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3. Rating: 4A/120 VAC, 4A/240 VAC,

4A/24 VDC, 0.5A/125 VDC

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

5. Ambient temperature: -40°C ~ +60°C.

6. Specific conditions of safety use:


1) External earth bonding can be achieved via the mounting fixings. These fixings should be in stainless steel or an alternative non-ferrous metal in order to minimize both corrosion and magnetic interference of the switch function. The connection shall be made in such a manner as to prevent loosening and twisting (e.g. with shaped lugs/nuts and locking washers).

2) Suitably certified cable entry devices shall be installed in accordance with GB/T3836.15-2017 and must maintain the ingress protection (IP) rating of the enclosure. The cable entry device thread shall not protrude within the enclosure body (i.e. shall maintain the clearance to the terminals).

3) Only one single or multiple strand conductor of size 16 to 18 AWG (1.3 to 0.8mm²) is to be accommodated in each terminal. The insulation of each conductor shall extend to within 1mm of the terminal clamping plate. Connection lugs and/or ferrules are not permitted.

4) The terminal screws are to be tightened down to 0.06Nm.

Director



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