



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX TUR 18.0034X** Page 1 of 3 [Certificate history:](#)
Status: **Current** issue No: 0
Date of Issue: 2019-10-10
Applicant: **TOP HI-TECH**
9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680
Chinese Taipei
Equipment: **Explosion-Proof Junction Box**
Optional accessory: THT-2J1726***** series
Type of Protection: **Flameproof enclosure "db", and Equipment dust ignition protection by enclosure "tb"**
Marking: Ex db IIC T6 Gb
Ex tb IIIC T80°C Db IP67

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. He Mei

Position:

Assigned certified

Signature:
(for printed version)

He Mei

Date:

2019-10-10

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Certificate No.: **IECEX TUR 18.0034X** Page 2 of 3

Date of issue: 2019-10-10 Issue No: 0

Manufacturer: **TOP HI-TECH**
9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680
Chinese Taipei

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/TUR/ExTR18.0034/00](#)

Quality Assessment Report:

[DE/TUR/QAR13.0016/03](#)



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Certificate No.: **IECEX TUR 18.0034X**

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Date of issue: 2019-10-10

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The enclosure of the junction box is made by aluminium alloy. There are two types of thread openings on the junction box, NPT 1-1/2" and NPT 1". The additional thread adaptors are provided with the junction box. It includes following four types of adaptors.

1. NPT 1-1/2" to NPT 1-1/4"
2. NPT 1-1/2" to NPT 1"
3. NPT 1" to NPT 3/4"
4. NPT 1" to NPT 1/2"

The main body of the junction box is the same. The cable entries shall be used with certified cable glands or covered by the certified blanking elements. Refer to the instructions for the detailed information. The end-user can use the certified components on the market.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Electrostatic charging hazard - Clean only with a damp cloth.
2. The cable entry opening can use only single thread adaptor. Using two thread adaptors on single opening is not allowed.
3. The service temperature is 75.6°C at the cable entry point.
4. The maximum length of conductor connected to each terminal and contained within the enclosure shall be 120mm.

Annex:

Annex to [DE-IECEX_TUR_18.0034_00_Attachment.pdf](#)



Attachment to Certificate IECEx TUR 18.0034X

Device: Explosion-Proof Junction Box
Type(s): THT-2J1726***** series

Manufacturer: TOP HI-TECH CO., LTD.

Address: 9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680, Taiwan

General product information:

The enclosure of the junction box is made by aluminium alloy. There are two types of thread openings on the junction box, NPT 1-1/2" and NPT 1". The additional thread adaptors are provided with the junction box. It includes following four types of adaptors.

1. NPT 1-1/2" to NPT 1-1/4"
2. NPT 1-1/2" to NPT 1"
3. NPT 1" to NPT 3/4"
4. NPT 1" to NPT 1/2"

The main body of the junction box is the same. The cable entries shall be used with certified cable glands or covered by the certified blanking elements. Refer to the instructions for the detailed information. The end-user can use the certified components on the market.

Catalogue number logic

| | | | | | | | | | | |
|------|-----|------|-----|-----|-----|-----|-----|-----|------|------|
| THT- | 2J | 1726 | W | 6 | A | A | A | A | A | A |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |

- (1) Brand name, THT-2= Top Hi-Tech Co., Ltd
- (2) Category of product, J = Explosion proof Junction Box
- (3) Model name, 1726 = Model A1726 series
- (4) Terminal type, W = Terminal type 1, D = Terminal type 2
- (5) Quantity of Terminal, 1=1 Pcs, 2=2 Pcs, 3=3 Pcs, 4=4 Pcs, 5=5 Pcs, 6=6 Pcs
- (6) Tank holder A Thread Type, A = No hole ,B=1-1/2" threads hold , C=1-1/4" threads hold ,D=1" threads hold
- (7) Tank holder B Thread Type, A = No hole ,B=1-1/2" threads hold , C=1-1/4" threads hold ,D=1" threads hold
- (8) Tank holder C Thread Type, A = No hole ,D=1" threads hold , E=3/4" threads hold ,F=1/2" threads hold
- (9) Tank holder D Thread Type, A = No hole ,D=1" threads hold , E=3/4" threads hold ,F=1/2" threads hold
- (10) Tank holder E Thread Type, A = No hole ,D=1" threads hold , E=3/4" threads hold ,F=1/2" threads hold
- (11) Tank holder F Thread Type, A = No hole ,D=1" threads hold , E=3/4" threads hold ,F=1/2" threads hold

Technical data

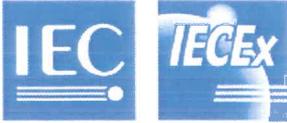
Electrical data

Input: Max. 600 Vac, Maximum current 30A, Solid and Fine-stranded.

Environmental data

Ambient temperature range -20°C to +55°C

Temperature class T80°C for dust.



Attachment to Certificate
IECEX TUR 18.0034X
Revision 0

“Specific Conditions of Use” for Ex Equipment:

1. Electrostatic charging hazard - Clean only with a damp cloth.
2. The cable entry opening can use only single thread adaptor. Using two thread adaptors on single opening is not allowed.
3. The service temperature is 75.6°C at the cable entry point.
4. The maximum length of conductor connected to each terminal and contained within the enclosure shall be 120mm.