

# (1) EU-TYPE EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number

## TÜV 18 ATEX 8244 X

Issue: 00

(4) Equipment: **Explosion-Proof Junction Box  
Model: THT-2J1726\*\*\*\*\* Series**

(5) Manufacturer: **TOP HI-TECH CO., LTD.**

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

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex8244.00/18

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN 60079-0:2018**

**EN 60079-1:2014**

**EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



**II 2 G Ex db IIC T6 Gb**



**II 2 D Ex tb IIIC T80°C Db IP67**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-10-10

Dipl.-Ing. He Mei



This EU-Type Examination Certificate without signature and stamp shall not be valid.  
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the  
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(13)

Annex

(14)

## EU Type Examination Certificate

### TÜV 18 ATEX 8244 X

Issue: 00

(15)

#### Description of equipment

##### 15.1 Equipment and type:

Explosion-Proof Junction Box  
 Model: THT-2J1726\*\*\*\*\* Series

##### 15.2 Description / Details of change

#### Description

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

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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.

(16) Test-Report No. GC/Ex8244.00/18

(17) Special Conditions for safe use

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.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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