

(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 15 ATEX 7782 X

Issue: 00

- (4) Equipment: **Junction Box, THT2J series**
- (5) Manufacturer: **TOP HI-TECH CO.,LTD.**
- (6) Address: **5F., No.113, Zhongcheng Rd., Tucheng Dist. New Taipei City 23674, Taiwan (R.O.C.)**
- (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 26th 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/Ex7782.00/15
- (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 60079-0:2012 /A11:2013

EN 60079-7: 2010

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 eb IIC T5 Gb

II 2 D Ex tb IIIC T100°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2017-08-18

Dipl.-Ing. Andreas Maschke



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
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**
TÜV 15 ATEX 7782 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Junction Box,
 THT2J series

15.2 Description / Details of Change

General product information

The enclosure of the junction box is made by aluminium alloy (ADC12). There are different types of openings on the junction box for the marketing purpose. Refer to the above table. The main body of the junction box is the same. The IECEx certified terminal blocks of Wago (IECEx PTB 04.0003U, model 264-130, 264-131, 264-180) are used inside the junction box. There are five poles in the junction box. The additional Ex certified accessories have been assessed and are listed in the table below.

Rating:

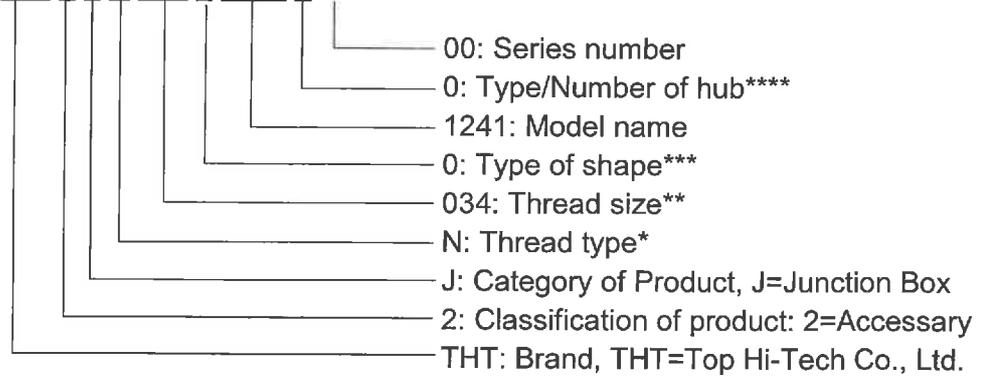
Cable entry: M20 or M25 or NPT ½" or NPT ¾"

Certificate Number	Equipment Description	Ex Marking Codes	IP Rating
IECEx PTB 04.0003U	Terminal block	Ex e I Mb Ex e IIC Gb	-

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Type code:

THT 2 J N 034 0 1241 0



* N=NPT, M=Metric

** 012=1/2", 020=M20, 025=M25, 034=3/4", 100=1", 112=1 1/2"

*** 0=Circular type, 1=Square type

**** There are 16 types of cable entry hole as following table:

Code	0	A	B	C	D	E	F	G
Type	1 Hub	2 Hub	3 Hub	4 Hub	1 Hub	2 Hub	3 Hub	4 Hub
	without bottom hub				with bottom hub			

Technical Data

Electrical data: 600 Vac, Maximum current 15A, wire range: 0.2 ... 2.5 mm² / 28 ... 12 AWG, Solid and Fine-stranded.

Environmental data: -40°C~+55°C

(16) Test-Report No. GC/Ex7782.00/15

(17) Special Conditions for safe use

N/A

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

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