

(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 19 ATEX 8440 X

Issue: 00

- (4) Equipment: **Explosion-Proof Junction Box
Model: A1723 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 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/Ex8440.00/19

- (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 IIB+H2 T5 Gb
II 2 D Ex tb IIIC T95°C Db**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2021-04-08

He Mei
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
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
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(13) Annex

(14) **EU Type Examination Certificate**
TÜV 19 ATEX 8440 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Explosion-Proof Junction Box
 Model: A1723 Series

15.2 Description / Details of change

Description

The Model A1723 series of junction boxes is suitable for use in hazardous location classified as Zone 1, Zone 2, Zone 21 and Zone 22. This junction box consists of single “db”/”tb” enclosure. The internal geometry is simple in rectangular shape. The enclosure material is aluminum alloy. The gasket is used to maintain the IP rating. The entry for wiring through integral cable gland maintains the degree of protection.

The end-user could choose the size, number, location of openings based on the user manual information. The available size are M16, M20, M25, M43, M40, M50, M63, NPT 3/8”, NPT 1/2”, NPT 3/4”.

Standard type

THT	J	1723	0	D15	01	0	0	0	0
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

- (1) Brand name, THT- = Top Hi-Tech Co., Ltd
 (2) Category of product, J = Explosion proof Junction Box
 (3) Model name, 1723= Model A1723 series
 (4) Sub-series
 (5) Terminal Type:

D series	W series
D15=DKB150	WA0=785-601
D10=DKB100	W16=2016-1201
D06=DKB60	W10=2010-1201
D03=DKB30	W06=2006-1201
D20=DKB20	W04=2004-1201

- (6) Quantity of Terminal, 01=1Pcs, 10=10Pcs
 (7) Thread of side A

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- (8) Thread of side B
- (9) Thread of side C
- (10) Thread of side D

Customize

THT	J	1723	XXXXXXXXXX
(1)	(2)	(3)	(4)

- (1) Brand name, THT- = Top Hi-Tech Co., Ltd
- (2) Category of product, J = Explosion proof Junction Box
- (3) Model name, 1723= Model A1723 series
- (4) Variant number

Technical Data

Electrical data

Terminal Blocks Specification (Table 3.)					
Series	Terminal type	Electrical data	Max Quantity	The cross sectional area of wire	Strip Length
D15 (DKB150)	Screw type	1000V / 150A	6	10.0~70.0mm ²	N/A
D10 (DKB100)		630V / 120A	5	10.0~25.0mm ² (Bare wire) 10.0~50.0mm ²	N/A
D06 (DKB60)		630V / 76A	9	0.75~16.0mm ²	N/A
D03 (DKB30)		800V / 25A	(One row)8 (Two row)24	0.34~4.0mm ²	N/A
D02 (DKB20)		800V / 20A	(One row)10 (Two row)20	0.34~2.5mm ²	N/A
WA0 (785-601)	Cage Clamp type	1000V / 100A	10	6~35mm ²	23mm
W16 (2016-1201)		800V / 50A	14	Solid conductor :0.5~16mm ² Solid conductor, push-in termination :6~16mm ² Fine-stranded conductor :0.5~25mm ²	18~20mm
W10 (2010-1201)		800V / 40A	14	Solid conductor :0.5~16mm ² Solid conductor, push-in termination :4~16mm ² Fine-stranded conductor :0.5~16mm ²	17~19mm
W06 (2006-1201)		800V / 30A	18	Solid conductor :0.5~10mm ² Solid conductor, push-in termination :2.5~10mm ² Fine-stranded conductor :0.5~10mm ²	13~15mm
W04 (2004-1201)		800V / 20A	(One row)20 (Two row)40	Solid conductor :0.5~6mm ² Solid conductor, push-in termination :1~6mm ² Fine-stranded conductor :0.5~6mm ²	11~13mm

Environmental data

Ambient temperature range -20°C to +50°C

(16) Test-Report No. GC/Ex8440.00/19

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(17) Special Conditions for safe use

1. Electrostatic charging hazard - Clean only with a damp cloth.
2. Use fasteners with yield stress ≥ 328 Mpa.
3. Each threaded opening shall have no more than one thread adapter when an adapter is used. A blanking element shall not be used with an adapter.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2021-04-08


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