


[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU Annex III, Module B

[3] EU – Type Examination Certificate Number ACE25ATEX036X Rev00
[4] Product Flameproof combined control device
Model: BXK56-*/***
[5] Manufacturer Taian OTEL Electrical Apparatus Co., Ltd.
[6] Address West Section of Nantianmen Street, Taian
High-tech Zone, 271000, Shandong
province

[7] This equipment or protective system and any acceptable variation there to are specified in the schedule to this certificate and the documents therein referred to.
[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive
The examination and test results are recorded in confidential Report nº. EX_EXD021_25_25-1397
[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-1:2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures ‘d’
[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.
[11] This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
[12] The marking of the equipment or protective system shall include the following:

 II 2G Ex db IIB T4 Gb

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Date: 30/09/2025



**Advanced Consulting and Engineering
Iberia SL**
Notified Body No NB3024

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] EU-Type Examination Certificate No: ACE25ATEX036X Rev00

[15] Description of equipment

1. Structure of production

Flameproof combined control device is composed of two flameproof chambers, one electric chamber and one wiring chamber. The wiring chamber can be on the left side or on the right side or on the down side of the equipment.

The enclosure is made of Q235 or Q345E. The breaker, AC contactor, the heat relay and so on are installed in the control device. The joints between cover and lamp holder are threaded joints. The joints between knobs and cover are cylinder joints. There is an O-ring in the shell to ensure IP66. Cable gland is not included in this equipment certification.

BXK56- */*L1, BXK56- */*R1: Up to 9 loops can be manufactured. There are up to nine knobs and nine indicator lights on the cover. There are up to 1-NPT1-1/2, 1-NPT1-1/4, 1-NPT2-1/2, 13-NPT3/4, 6-NPT1 threaded holes reserved on the enclosure.

BXK56- */*X1: Up to 12 loops can be manufactured. There are up to 12 knobs and 12 indicator lights on the cover. There are up to 1-NPT1-1/2, 1-NPT1-1/4, 1-NPT2-1/2, 13-NPT3/4, 6-NPT1 threaded holes reserved on the enclosure.

BXK56- */*L2, BXK56- */*R2: Up to 9 loops can be manufactured. There are up to nine knobs and nine indicator lights on the cover. There are up to 1-NPT1-1/2, 1-NPT1-1/4, 1-NPT2-1/2, 13-NPT3/4 and 6 NPT1 threaded holes are reserved on the enclosure.

BXK56- */*L3, BXK56- */*R3: Up to 8 loops can be manufactured. There are up to 8 knobs and 8 indicator lights on the cover. There are up to 2-NPT2-1/2, 2- NPT1-1/2, 2- NPT1-1/4, 6- NPT1 and 8-NPT3/4 threaded holes are reserved on the enclosure.

BXK56- */*X3: Up to 6 loops can be manufactured. There are up to 6 knobs and 6 indicator lights on the cover. There are up to 2-NPT2-1/2, 2- NPT1-1/2, 2- NPT1-1/4, 6- NPT1 and 8-NPT3/4 threaded holes are reserved on the enclosure.

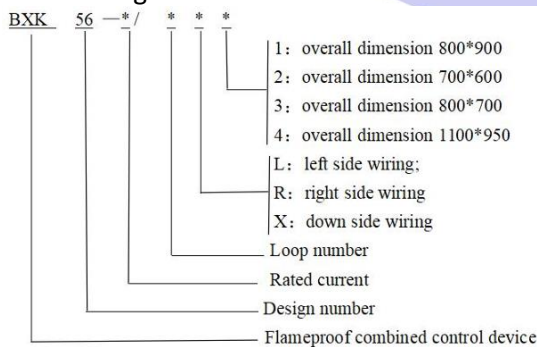
BXK56- */*X4: Up to 18 loops can be manufactured. There are up to 18 knobs and 18 indicator lights on the cover. There are up to 1-NPT2-1/2, 2- NPT1-1/2, 3- NPT1-1/4, 5- NPT1 and 12-NPT3/4 threaded holes are reserved on the enclosure.

Rated voltage: AC220/380/460/480/600V, Rated current: 0~400A

Rated frequency: 50/60Hz

Ingress protection: IP66

2. Model significance



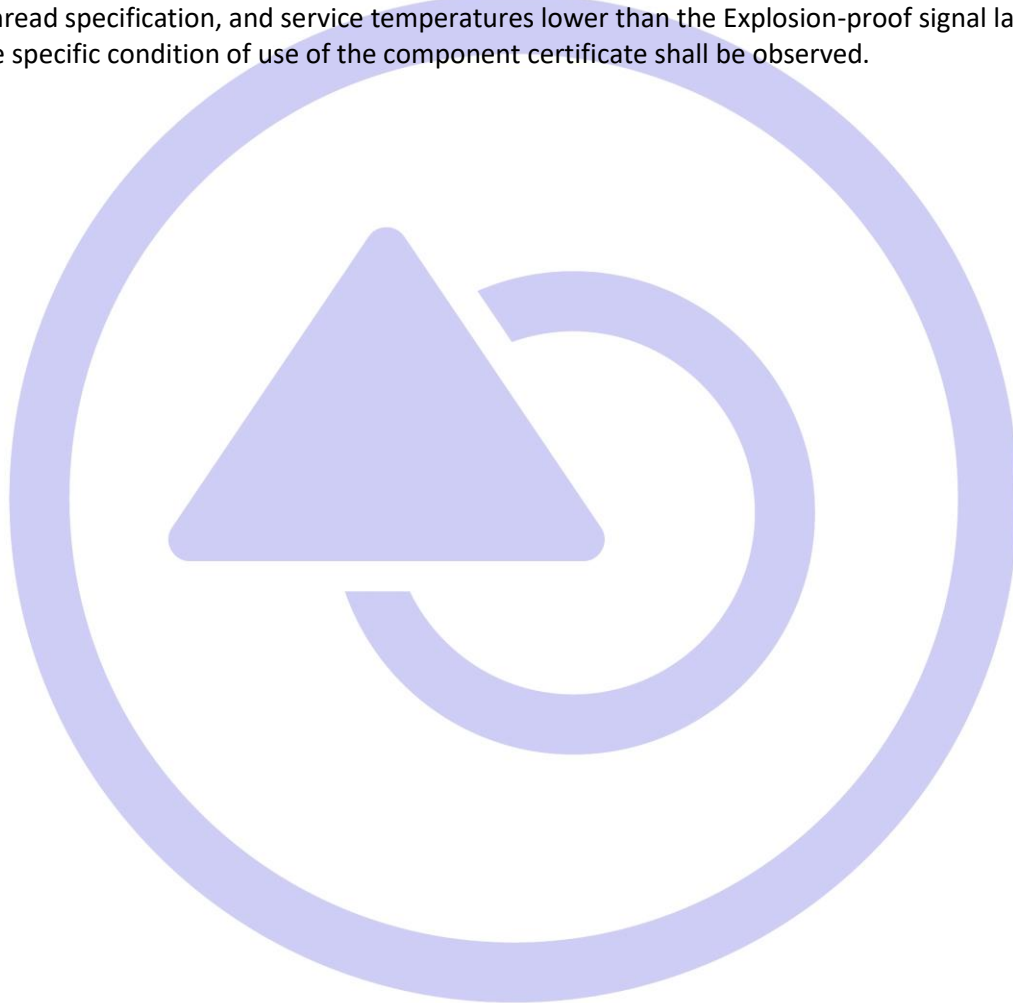
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3. Ex components used in Flameproof combined control device

item	Components used	Manufacture	Ex mark	Certificate no
1	Explosion-proof signal lamp model HL0107-..	Helon Explosion-proof Electric Co.,LTD	II 2G Ex db eb IIC Gb II 2D Ex tb IIIC Db	CNEX 18 ATEX 0015U

Note1. The Explosion-proof signal lamp model certified according to EN IEC60079-0:2018 used in this product. After verification and reviewed the documents certified for the Explosion-proof signal lamp model according to EN IEC 60079-0:2018,it has no effect of differentials of the two version standards on this product.

Note 2. The Explosion-proof signal lamp model can be replaced by signal lights with ATEX certification, the same thread specification, and service temperatures lower than the Explosion-proof signal lamp model (+100 °C). The specific condition of use of the component certificate shall be observed.



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[14] EU – Type Examination Certificate No: ACE25ATEX036X Rev00

[16] Test documents are listed in the test report nº
EX_EXD021_25_25-1397

[17] Special conditions for safe use
 1. Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer.
 2. Ambient temperature range is -45°C to +55°C.
 3. WARNING- DONOT OPENWITHENERGIZED.
 4. CAUTION- USE FASTENER WITH YIELD STRESS \geq 640 MPa.

[18] Essential Health and Safety Requirements
 Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
Nameplate	BXK56-00-001	/	2025.09.05
Hinged shaft	OT-TYJ-JL-1	/	2023.01.02
Top cover hinge	OT-TYJ-JL-2	/	2023.01.02
Main body hinge	OT-TYJ-JL-3	/	2023.01.02
Grounding	OT-TYJ-JDJ	/	2023.01.02
Steel cover1	OT-TYJ-GT1	/	2023.01.02
Steel cover2	OT-TYJ-GT2	/	2023.01.02
Copper sheathing	OT-TYJ-TT	/	2023.01.02
Grounding card	OT-TYJ-JDP	/	2023.01.02
Transmission shaft	OT-TYJ-CZZKK	/	2023.01.02
Indication nameplate	OT-TYJ-MPZS	/	2023.01.02
Pilot lamp	OT-TYJ-ZSD	/	2023.01.02
Instructions	OT-QP-SMS-2023/01	/	/
Q345E Steel Material Report	OTCZ-01	/	2021.11.13
Q235 Steel Material Report	/	/	2022.03.05
Brass Material Report	OTCZ-03	/	2018.03.10
Report on Insulation Materia	OTCZ-04	/	2022.07.03
Sealing Strip Material Report	OTCZ-05	/	2017.05.28

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Stainless steel material report	OTCZ-06	/	2018.02.04
Testing Report of Antirust Oil	OTCZ-07	/	2018.07.02
Epoxy Resin Inspection Report	OTCZ-03	1803	2018.03.01
R2 General assembly drawing	BXK56-R2-000	/	2023.01.02
L2 General assembly drawing	BXK56-L2-000	1705	2023.01.02
X3 General assembly drawing	BXK56-X3-000	1802	2023.01.02
C shape plate	BXK56--X3-001-004	1807	2023.01.02
Up and downplate	BXK56--X3-001-003	1803	2023.01.02
Cover1	BXK56--X3-002	/	2023.01.02
Cover2	BXK56--X3-003	/	2023.01.02
Terminal partition	BXK56-X3-001-005	/	2023.01.02
Main body	BXK56-X3-001	/	2023.01.02
Main body flange	BXK56-X3-001-001	/	2023.01.02
Main body plate	BXK56-X3-001-002	/	2023.01.02
R3 General assembly drawing	BXK56-R3-000	/	2023.01.02
L3 General assembly drawing	BXK56-L3-000	/	2023.01.02
C shape plate	BXK56-L3/R3-001-004	/	2023.01.02
Left and right plate	BXK56-L3/R3-001-003	/	2023.01.02
Cover1	BXK56-L3/R3-002	/	2023.01.02
Cover2	BXK56-L3/R3-003	/	2023.01.02
Terminal partition	BXK56-L3/R3-001-005	/	2023.01.02
Main body	BXK56-L3/R3-001	/	2023.01.02
Main body flange	BXK56-L3/R3-001-001	/	2023.01.02
Main body plate	BXK56-L3/R3-001-002	/	2023.01.02
X1 General assembly drawing	BXK56-X1-000	/	2023.01.02
C shape plate	BXK56-X1-001-004	/	2023.01.02
Up and down plate	BXK56--X1-001-003	/	2023.01.02
Cover1	BXK56-X1-002	/	2023.01.02
Cover2	BXK56-X1-003	/	2023.01.02
Terminal partition	BXK56-X1-001-005	/	2023.01.02
Main body	BXK56-X1-001	/	2023.01.02
Main body flange	BXK56-X1-001-001	/	2023.01.02
Main body plate	BXK56-X1-001-002	/	2023.01.02

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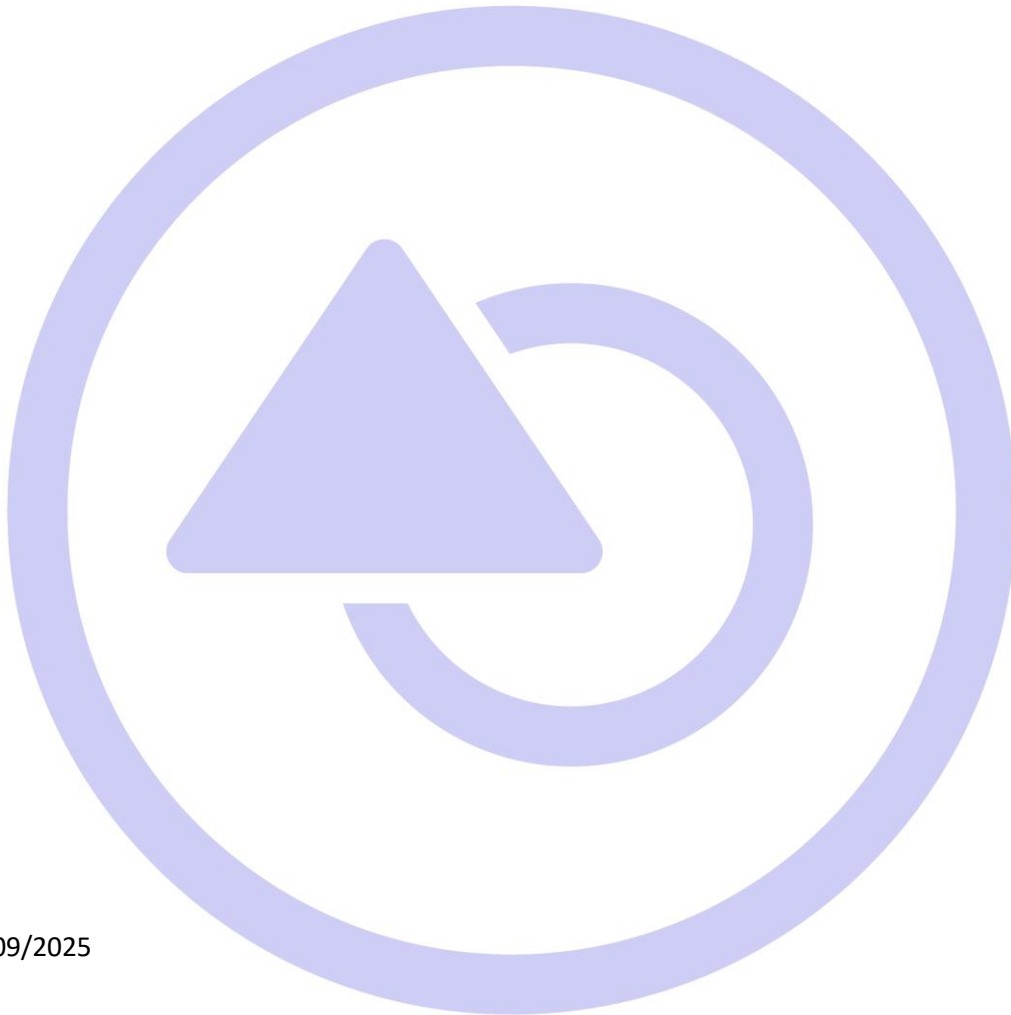
R1 General assembly drawing	BXK56-R1-000	/	2023.01.02
L1 General assembly drawing	BXK56-L1-000	/	2023.01.02
C shape plate	BXK56-L1/R1-001-004	/	2023.01.02
Left and right plate	BXK56--L1/R1-001-003	/	2023.01.02
Cover1	BXK56-L1/R1-002	/	2023.01.02
Cover 1 flange	BXK56-L1/R1-002-002	/	2023.01.02
Cover 1 plate	BXK56-L1/R1-002-001	/	2023.01.02
Cover2	BXK56-L1/R1-003	/	2023.01.02
Cover 2 flange	BXK56-L1/R1-003-002	/	2023.01.02
Cover 2 plate	BXK56-L1/R1-003-001	/	2023.01.02
Terminal partition	BXK56-L1/R1-001-005	/	2023.01.02
Main body	BXK56-L1/R1-001	/	2023.01.02
Main body flange	BXK56-L1/R1-001-001	/	2023.01.02
Main body plate	BXK56-L1/R1-001-002	/	2023.01.02
X4 General assembly drawing	BXK56-X4-000	/	2023.01.02
C shape plate	BXK56-X4-001-004	/	2023.01.02
Up and down plate	BXK56--X4-001-003	/	2023.01.02
Cover1	BXK56-X4-002	/	2023.01.02
Cover2	BXK56-X4-003	/	2023.01.02
Terminal partition	BXK56-X4-001-005	/	2023.01.02
Main body	BXK56-X4-001	/	2023.01.02
Main body flange	BXK56-X4-001-001	/	2023.01.02
Main body plate	BXK56-X4-001-002	/	2023.01.02
Mounting bracket 2	OT-TYJ-AZDJ2	/	2023.01.02
Conductive column	OT-TYJ-JXDZ-1	/	2023.01.02
Bingding post	OT-TYJ-JXDZ	/	2023.01.02
Warning nameplate1	OT-TYJ-JSP1	/	2023.01.02
Warning nameplate2	OT-TYJ-JSP2	/	2023.01.02
Insulating sleeve	OT-TYJ-JXDZ-2	/	2023.01.02
IECEX report	Report No: CN/CQM/ExTR20.0013/01 Lab: China National Quality Supervision & Test Center for Explosion proof and Safety Products for Coal Mine (CMExC).	00	2023.01.02

The above-mentioned documents are strictly confidential and they are of only use of authorities.
A copy of the documents is saved by A.C.&E. Iberia S.L.

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[20] Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX036X	00	First emission	30/09/2025



Date: 30/09/2025



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Iberia SL**
Notified Body No NB3024

Matteo Marconi, CEO

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