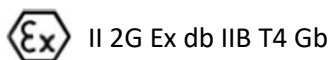


[1] **EU - TYPE EXAMINATION CERTIFICATE**

[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 ACE25ATEX035X Rev00
- [4] Product Flameproof magnetic starter Model: BQD58-□/□
- [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_EXD020_25_25-1396
- [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:



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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: ACE25ATEX035X Rev00

[15] Description of equipment

1. Structure of production

Flameproof magnetic starter is composed of one flameproof chamber. The enclosure is made by ZL102. The breaker, AC Contactors, fuses, thermal relays and so on are installed in the flameproof chamber. There are two switch buttons, three signal lamps and two knobs on the cover. There are 2 schemes for the arrangement of buttons and indicator lights on the panel. Scheme I can install 3 indicator lights and 2 buttons; Scheme II can install 1 indicator light and 4 buttons. The joints between enclosure and cover are flanged joints. The joints between cover and lamp holder sleeves, buttons are threaded joints.

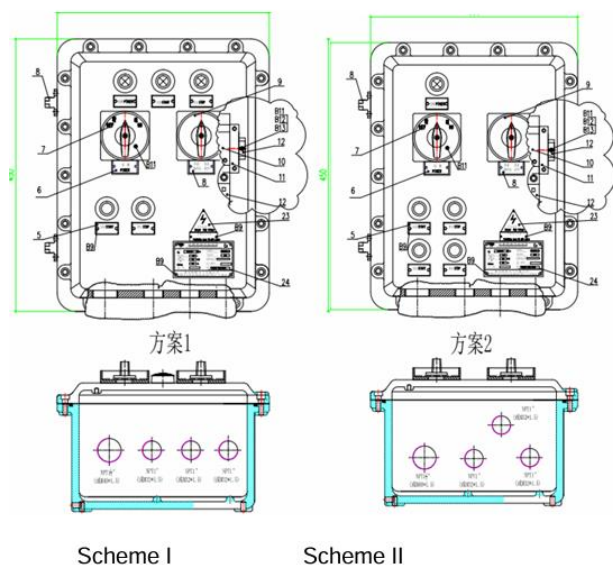
The joints between copper bush and shaft are cylindrical joints. There are O-rings in the shaft and on the flanged joint to ensure the IP66. Cable glands are not included in this equipment certification. There are up to 1-NPT1-1/4(or M40×1.5), 3-NPT1(or M32×1.5) threaded holes are reserved on the enclosure. The numbers and the size of threaded holes can be reduced and their positions can be adjusted according to the scheme below. When the enclosure was tested, the sealing plates were installed in the threaded holes.

The equipment has inner external earthing mark and bolt.

Rated voltage: AC 220/380/460/600V, Rated current: 0~100A

Rated frequency: 50/60Hz

Ingress protection: IP66



Scheme I

Scheme II

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2. Model significance



3. Ex components used in Flameproof magnetic starter

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
2	Explosion-proof switch button model HL0105-..	Helon Explosion-proof Electric Co.,LTD	II 2G Ex db IIC Gb II 2D Ex tb IIIC Db	CNEX 18 ATEX 0014U

Note1. The Explosion-proof signal lamp model HL0107- and Explosion-proof switch button model HL0105- used in this product were certified according to IEC60079-0:2011. After evaluation, the differences between standards IEC 60079-0:2017 and IEC 60079-0:2011 have no effect on this product.

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[13]

SCHEDULE

[14]

EU – Type Examination Certificate No: ACE25ATEX035X Rev00

[16]

Test documents are listed in the test report nº
EX_EXD020_25_25-1396

[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. Rated ambient temperature range is $-45^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$.

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
General assembly drawing	BQD58-000	V1.0	2021.12.30
Nameplate	BQD58-018	V2.0	2025.9.05
Main body	BQD58--001	V1.0	2021.12.30
Cover	BQD58-004	V1.0	2021.12.30
Circuit diagram	BQD58-019	V1.0	2021.12.30
Hinge	BQD58-009	V1.0	2021.12.30
Mounting plate	BQD58-002	V1.0	2021.12.30
Copper sheathing	BQD58-014	V1.0	2021.12.30
Grounding card	BQD58-003	V1.0	2021.12.30
Transmission	BQD58-013	V1.0	2021.12.30
Warning nameplate	BQD58-016	V1.0	2021.12.30
Indication nameplate	BQD58-006	V1.0	2021.12.30
Install the guide rail	BQD58-010	V1.0	2021.12.30
panel	BQD58-011	V1.0	2021.12.30
Wrench	BQD58-012	V1.0	2021.12.30
Shaft sealing ring	BQD58-015	V1.0	2021.12.30
Joint sealing ring	BQD58-005	V1.0	2021.12.30
Circular on-off sign	BQD58-008	V1.0	2021.12.30
Instructions	OT2112	V1.0	2021.12
ZL102 Material Report	/	/	2023.02.20
Brass Material Report	/	2003	2012
Sealing Strip Material Report	/	2109	2012

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Stainless steel material report	/	2105	2012
Testing Report of Antirust Oil	OTCZ-02	2102	2012
IECEX report	Report No: CN/CQM/ExTR22.0001/00 Lab: China National Quality Supervision & Test Center for Explosion proof and Safety Products for Coal Mine (CMExC).	00	2022.01.30

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.

[20]

Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX035X	00	First emission	30/09/2025

Date: 30/09/2025



**Advanced Consulting and Engineering
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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