

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

[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**  
**Directive 2014/34/EU**

- [3] EU – Type Examination Certificate Number ACE26ATEX027U Rev00
- [4] Product Flameproof Components Model Cd\*-\*
- [5] Manufacturer MASCO EXPLOSION-PROOF APPLIANCES (SHANGHAI) CO.,LTD.
- [6] Address 1st Floor, 1st Building, No.58 Dijie Road, Baoshan District, Shanghai 201900, China
- [7] This equipment or protective system and any acceptable variation thereto 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 the confidential Report nº. EX\_GEN016\_26\_26-1123, EX\_EXD012\_26\_26-1123, EX\_EXT010\_26\_26-1123
- [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’  
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’  
The following was used as reference:  
EN IEC 60079-31:2024: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
- [10] The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- [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 IIC Gb, II 2D Ex tb IIIC Db

*This Declaration of conformity may only be reproduced in its entirety and without any change, including schedules.*

Date: 02/07/2026



**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: ACE26ATEX027U Rev00

[15] Description of equipment

The Cd\*-\* series flameproof components can be used in Zone 1 and Zone 2 hazardous areas (excluding coal mines), as well as Zone 21, and Zone 22 hazardous areas; It can be used in Group IIA, IIB, IIC explosive gas environments, Group IIIA, IIIB, IIIC combustible dust environments. The shell materials of this series of products are optional to be made of stainless steel, carbon steel, aluminum alloy or nickel plated brass.

The components provide cylindrical flameproof joints for operation rods and external threads as flameproof joint for installation with a flameproof housing. Cemented joints are provided for sealing of window of indicator. This product shall be used in conjunction with explosion-proof housing and cannot be used alone.

O-rings are provided that the product fulfills the requirements of IP66 according to IEC 60529.

Cd\*-\* series includes indicator, button, operating handle and actuator, potentiometer.

Rating:

For flameproof indicator: AC/DC 12V~48V, AC/DC 110V~277V, AC 380V~440V, AC 480V.

For other components, only mechanical parts. No electrical ratings

Nomenclature:

CdI- ①

CdI: Flameproof Indicator

① : Product information (Not related to explosion protection)

CdB- ① / ②

CdB: Flameproof Button

① : a: Momentary button, b1: Rotating-releasing emergency stop button, b2: Pulling-releasing emergency stop button, c2: Two position rotary button, c3: Three position rotary button, d2: Two position key-operated button, d3: Three position key-operated button, f: : Illuminated Button, m: Miniature button, e: Other operation button

②:Product information (Not related to explosion protection)

CdH- ①

CdH: Flameproof Operating Handle and Actuator

①: Product information (Not related to explosion protection)

CdP- ①

CdP: Flameproof Potentiometer

① : Product information (Not related to explosion protection)

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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE26ATEX027U Rev00

[16] Test documents are listed in the test report nº  
EX\_GEN016\_26\_26-1123, EX\_EXD012\_26\_26-1123, EX\_EXT010\_26\_26-1123

[17] Special conditions for safe use

1. Contact the original manufacturer for the information of flameproof joints.
2. Range of service temperature: -60°C~+130°C.
3. The maximum ambient temperature used for the test factor of non-transmission tests of internal ignition is: +60°C.
4. Static overpressure tests have been done on samples with 3MPa for at least 10s which shall be considered when installed with the final assembly.
5. The maximum volume of the enclosure for the Cd\*-\* components to be installed when used as flameproof component shall be 490.5L.
6. When used in combustible dust atmospheres, there is potential electrostatic hazardous. Refer to instruction manual for details.

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

[19] Documents and technical datasheets:

| Title                                      | Object       | Revision | Date     |
|--------------------------------------------|--------------|----------|----------|
| CdI Series Flameproof indicator            | 5MSC 911 002 | V0       | 2025.5.6 |
| CdB-a Series Flameproof button             | 5MSC 913 001 | V0       | 2025.5.6 |
| CdB-b1/b2/c2/d2 Series Flameproof button   | 5MSC 913 002 | V0       | 2025.5.6 |
| CdB-f Series Flameproof Illuminated Button | 5MSC 913 003 | V0       | 2025.5.6 |
| CdB-m Series Flameproof Miniature Button   | 5MSC 913 005 | V0       | 2025.5.6 |
| CdB-c3/d3 Series Flameproof button         | 5MSC 913 004 | V0       | 2025.5.6 |
| CdH-I Series Flameproof Operating Handle   | 5MSC 900 001 | V0       | 2025.5.6 |
| CdH-II Series Flameproof Operation Handle  | 5MSC 900 002 | V0       | 2025.5.6 |
| CdP Series Flameproof Potentiometer        | 5MSC 900 005 | V0       | 2025.5.6 |

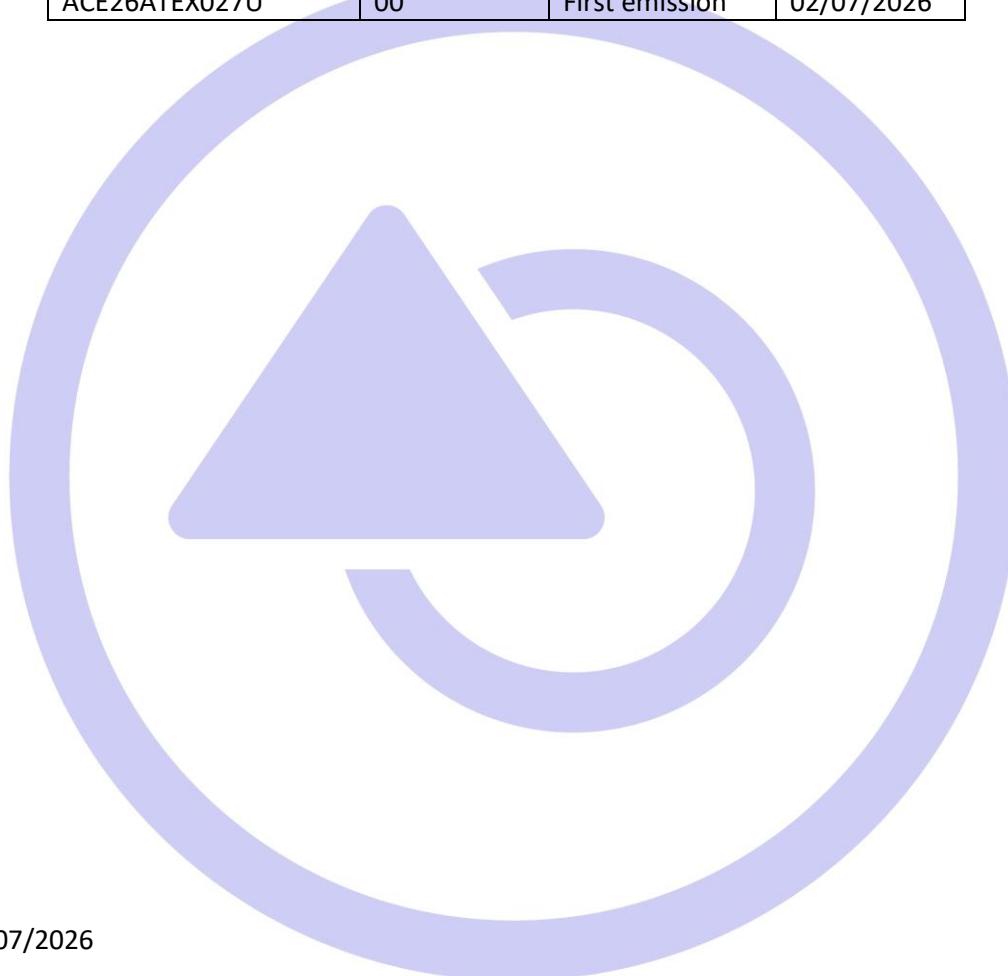
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|                                                                                  |              |    |          |
|----------------------------------------------------------------------------------|--------------|----|----------|
| Cd <input type="checkbox"/> Series Flameproof<br>Components Operation<br>manuals | 8MSC 993 013 | V0 | 2025.2.6 |
|----------------------------------------------------------------------------------|--------------|----|----------|

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

[20] Certificate History

| Number of certificate | Rev. | Comments       | Date       |
|-----------------------|------|----------------|------------|
| ACE26ATEX027U         | 00   | First emission | 02/07/2026 |



Date: 02/07/2026



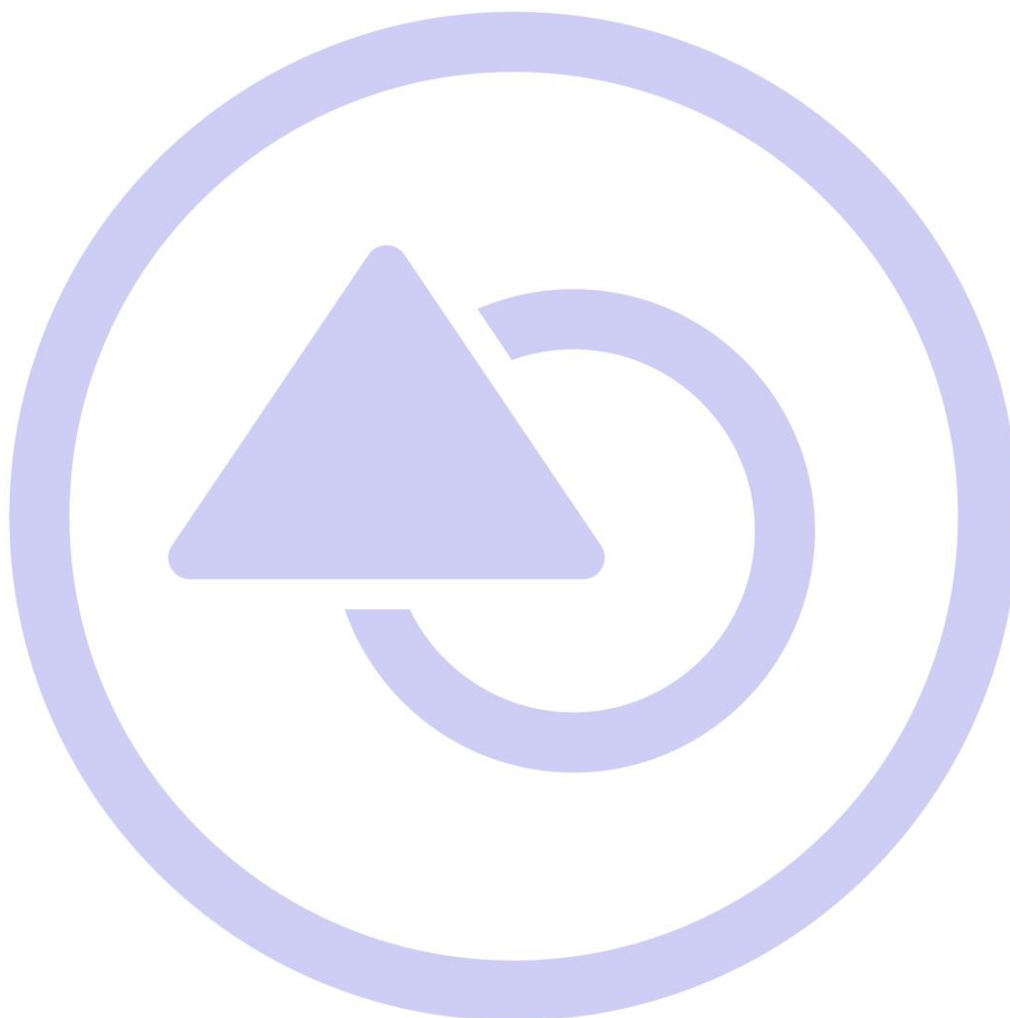
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