

[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 ACE26ATEX036U Rev00
- [4] Product Empty flameproof enclosure Model EEB-
//*
- [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_GEN025_26_26-1122, EX_EXD018_26_26-1122, EX_EXT015_26_26-1122
- [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 IIB+H₂ 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: 31/07/2026



**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: ACE26ATEX036U Rev00

[15] Description of equipment

EEB-IIB series empty flameproof enclosure are used in Zone 1 and Zone 2 of explosive gas environment, Zone 21 and Zone 22 of combustible environment with IIA, IIB, IIB+H2 explosive gas atmosphere and IIIA, IIIB, IIIC combustible dust atmosphere. The enclosure materials of this series of products can be aluminum alloy, stainless steel or carbon steel with surface thickness of powder coating less than 0.2mm. There are flange flameproof joints between cover and body. It is optional to have windows on the cover. It is optional to have threaded holes on the cover and body. Refer to the user manual for details of window and threaded holes. The enclosures fulfill the requirements of IP66 according to IEC 60529.

Nomenclature:

EEB - * / * / *

① ② ③

①: IIB: IIB+H2 enclosure

②: AL: Marine Grade Copper-free Aluminum, S4: SS304, S6: SS316, SL: SS316L, CS: Carbon steel

③: Enclosure type: I, III, IIIh, IV, IVh, V, Vh, VI, VIh, VII, VIIh, VIII, VIIIh, IX, IXh, X, Xh

Note: when ② is AL, the enclosure type are I, III, IIIh, IV, IVh, V, Vh, VI, VIh, VII, VIIh, VIII or VIIIh

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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE26ATEX036U Rev00

[16] Test documents are listed in the test report nº
EX_GEN025_26_26-1122, EX_EXD018_26_26-1122, EX_EXT015_26_26-1122

- [17] Special conditions for safe use
1. Service temperature range:-60°C~+130°C.
 2. The ambient temperature used for calculate the test factors of flameproof enclosures: -60°C~+60°C.
 3. Contact the original manufacturer for the information of dimension of flameproof joint.
 4. Cable glands and blanking elements installed with the empty box shall be separate certified and suitable Equipment Protection Level (EPL) shall be achieved. The cable glands and blanking elements shall be at least EPL Gb/Db and rated at least IP66.
 5. The product is certificated as Ex component with suffix “U”. Additional consideration shall be taken when incorporated into electrical equipment for used in hazardous location.
 6. For the information of size and amount of apertures and windows refer to the user manual .
 7. CAUTION - USE FASTENERS WITH PROPERTY CLASS A4-70.
 8. Rotating machines, or other devices which create turbulence shall not be incorporated.
 9. Oil-filled circuit-breakers and contactors shall not be used.
 10. For product with powder coating used in combustible dust atmosphere: WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.
 11. For H2 atmosphere Ex component enclosures: the content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40 % of each cross-sectional area remains free to permit unimpeded gas flow and, therefore, unrestricted development of an explosion.
 12. For Group IIB Ex component enclosures: the content of the Ex component enclosure equipment may be placed in any arrangement, provided that an area of at least 20% of each cross-sectional area remains free to permit an unimpeded gas flow and. therefore, unrestricted development of an explosion.

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

[19] Documents and technical datasheets:

Title	Object	Revision	Date
EEB series Empty flameproof enclosure Operation manuals	8MSC 993 021	V0	2025.5.12
EEB-IIB Series explosion-proof empty enclosure	2MSC 529 001.001	V0	2025.5.12
EEB-IIB Series explosion-proof empty enclosure	2MSC 529 001.002	V0	2025.5.12
Body opening rules	2MSC 529 002.001	V0	2025.5.12
cover opening rules	2MSC 529 002.002	V0	2025.5.12
Body opening rules	2MSC 529 002.003	V0	2025.5.12
cover opening rules	2MSC 529 002.004	V0	2025.5.12

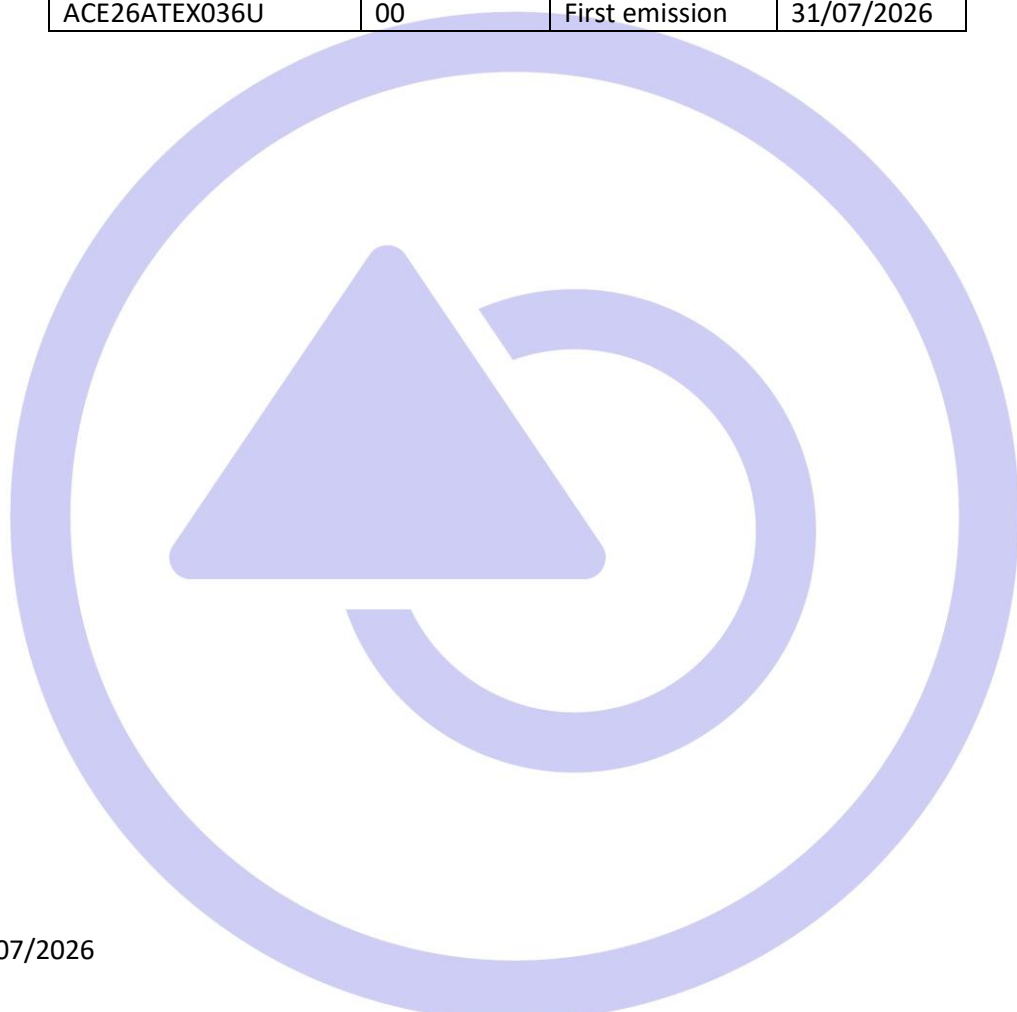
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Window Rules	2MSC 529 002.005	V0	2025.5.12
Nameplate	8MSC 860 064	V0	2025.5.12

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] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX036U	00	First emission	31/07/2026



Date: 31/07/2026



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