

[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 ACE26ATEX030X Rev00
- [4] Product Explosion-proof Junction
Box/Communication Box Model EJB-
e/*/*/*
- [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_GEN019_26_26-1119, EX_EXE009_26_26-1119, EX_EXI004_26_26-1119, EX_EXT013_26_26-1119
- [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 IEC 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
EN 60079-11: 2012: Explosive atmospheres - Part 11: Equipment protection by intrinsic safety ‘i’
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] 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:
 Refer to Clause 15 Ex marking

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

Date: 17/07/2026



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: ACE26ATEX030X Rev00

[15]

Description of equipment

EJB-e/*/*/* series explosion-proof junction boxes are used in Zone 0 (Ex ia only), Zone 1 and Zone 2 of explosive gas atmosphere, Zone 21 and Zone 22 of combustible dust atmosphere, and can be used in Group IIA, IIB, IIC and Group IIIA, IIIB, IIIC atmosphere. The enclosure materials of the product is optionally to be stainless steel or carbon steel, and optionally to be surface coated. Separate certified increased safety terminals or copper bus may be installed inside the boxes.

EJB-e/*/*/*C series explosion-proof communication boxes are used in Zone 0 (Ex ia only), Zone 1 and Zone 2 of explosive gas atmosphere, Zone 21 and Zone 22 of combustible dust atmosphere, and can be used in Group IIA, IIB, IIC and Group IIIA, IIIB, IIIC atmosphere. The enclosure materials of the product is optionally to be stainless steel or carbon steel, and optionally to be surface coated. Separate certified communication modules are optionally to be installed inside the boxes as well as terminals.

The enclosure of explosion-proof junction boxes and explosion-proof communication boxes can be fastened by screws, screws and hinges or locks and hinges. It is optional to have cable inlet holes on the side of enclosure. Cable gland plates may be mounted on the enclosure. Refer to the user manual for details of holes. The equipment fulfills the requirements of IP66 according to IEC 60529.

Nomenclature:

EJB - e / * / * / *

① ② ③ ④ ⑤

①: Explosion-proof Junction Boxes

②: Ex e Enclosure

③: Enclosure material(SS304:S4;SS316:S6;SS316L:SL;Carbon Steel:CS)

④: Enclosure Type:I, II/IIh, III/IIIh, IV/IVh, V/Vh, VI/VIh, VII/VIIh, VIII/VIIIh, IX/IXh, X/Xh

⑤: Blank or i (Only for intrinsic safety applications)

EJB - e / * / * / * / C

① ② ③ ④ ⑤

①: Explosion-proof Communication Boxes

②: Ex e Enclosure

③: Enclosure material(SS304:S4;SS316:S6;SS316L:SL;Carbon Steel:CS)

④: Enclosure Type:I, II/IIh, III/IIIh, IV/IVh, V/Vh, VI/VIh, VII/VIIh, VIII/VIIIh, IX/IXh, X/Xh

⑤: Blank or i (Only for intrinsic safety applications)

Ex marking:

For junction box used in EPL Ga: II 1G Ex ia IIC T6 Ga, II 2G Ex ia IIC T6 Gb,

For junction box used in EPL Gb: II 2G Ex eb IIC T6/T5/T4 Gb

For junction box used in EPL Db: II 2D Ex tb IIIC T80°C/T85°C Db or Ex ib IIIC T80°C Db

For communication box used in EPL Ga: II 1G Ex ia IIC T6/T5/T4 Ga

For communication box used in EPL Gb: II 2G Ex eb ia IIC T6/T5/T4 Gb or Ex eb ib [ia Ga] IIC T6/T5/T4 Gb

For communication box used in EPL Db: II 2D Ex tb IIIC T80°C/T85°C Db

Ratings:

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Explosion-proof Junction Boxes

Rated Voltage: Max.1000V AC; Max.1500V DC.

Max.36V AC/DC (Intrinsic safety).

Rated Current: Max.1180A (Ex eb, tb); Max.5A (Intrinsic safety).

Explosion-proof Communication Boxes

Rated Voltage: Max.36V AC/DC

Rated Current: Max.5A

The specific models of EJB-e series with terminals and the power dissipation are as follows:

Type	Max.power consumption W, Ta=+60°C			Max.power consumption W, Ta=+40°C		
	T6	T5	T4	T6	T5	T4/
	T80°C	T80°C	T80°C	T80°C	T80°C	T80°C/ T85°C
EJB-e/*/I/*	6.6	10.6	11.0	8.8	14.6	17.6
EJB-e/*/II/*	6.6	10.8	11.0	9.0	15.3	17.8
EJB-e/*/IIh/*	7.2	12.1	12.6	9.6	16.8	20.6
EJB-e/*/III/*	8.8	13.9	14.9	11.7	19.8	36.3
EJB-e/*/IIIh/*	9.4	15.8	16.3	12.5	21.7	42.0
EJB-e/*/IV/*	9.5	21.3	21.9	13.2	29.2	70
EJB-e/*/IVh/*	10.9	24.2	25.3	14.4	33.7	81.6
EJB-e/*/V/*	11.2	26.5	27.0	14.9	35.8	99.0
EJB-e/*/Vh/*	11.7	27.6	28.4	15.5	37.8	103.6
EJB-e/*/VI/*	12.1	31.4	33.0	16.1	44.5	101.0
EJB-e/*/VIh/*	14.3	36.2	39.2	19.0	52.1	114.0
EJB-e/*/VII/*	15.4	39.3	40.7	20.5	54.1	121.0
EJB-e/*/VIIh/*	16.2	41.6	42.2	21.6	57.3	127.0

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EJB-e/*/VIII/*	17.6	48.7	51.7	23.4	68.8	217.8
EJB-e/*/VIIIh/*	19.8	58.3	62.4	26.3	83.0	232.5
EJB-e/*/IX/*	36.8	91.2	93.5	48.9	124.4	286.0 (T85°C)
EJB-e/*/IXh/*	39.0	95.3	98.0	52.0	131.0	301.0 (T85°C)
EJB-e/*/X/*	181.5	251.2	258.5	241.4	343.8	770.0
EJB-e/*/Xh/*	192.0	264.3	275.0	258.0	365.0	811.0

The specific models of EJB-e series with copper bus and the rated current are as follows:

Copper bus cross-section: 50x10xL

Type	Copper bus	Rated current, Ta +60°C			Rated current, Ta +40°C		
	Length	T6/T80°C	T5/T95°C	T4/T130°C	T6/T80°C	T5/T95°C	T4/T130°C
EJB-e-VIII	L≤800 mm	454A	545A	795A	636A	795A	909A
EJB-e-VIIIh		454A	545A	795A	636A	795A	909A
EJB-e-IX		454A	636A	818A	727A	863A	1000A
EJB-e-IXh		454A	636A	818A	727A	863A	1000A
EJB-e-X		500A	727A	909A	795A	863A	1090A
EJB-e-Xh		500A	727A	909A	795A	863A	1090A

Copper bus cross-section: 60x10xL

Type	Copper bus	Rated current, Ta +60°C			Rated current, Ta +40°C		
	Length	T6/T80°C	T5/T95°C	T4/T130°C	T6/T80°C	T5/T95°C	T4/T130°C
EJB-e-VIII	L≤800 mm	545A	636A	909A	727A	909A	1000A
EJB-e-VIIIh		545A	636A	909A	727A	909A	1000A
EJB-e-IX		545A	727A	909A	727A	909A	1090A
EJB-e-IXh		545A	727A	909A	727A	909A	1090A
EJB-e-X		590A	795A	1000A	795A	1000A	1180A

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EU-Type Examination Certificate

Certificate No:

ACE26ATEX030X

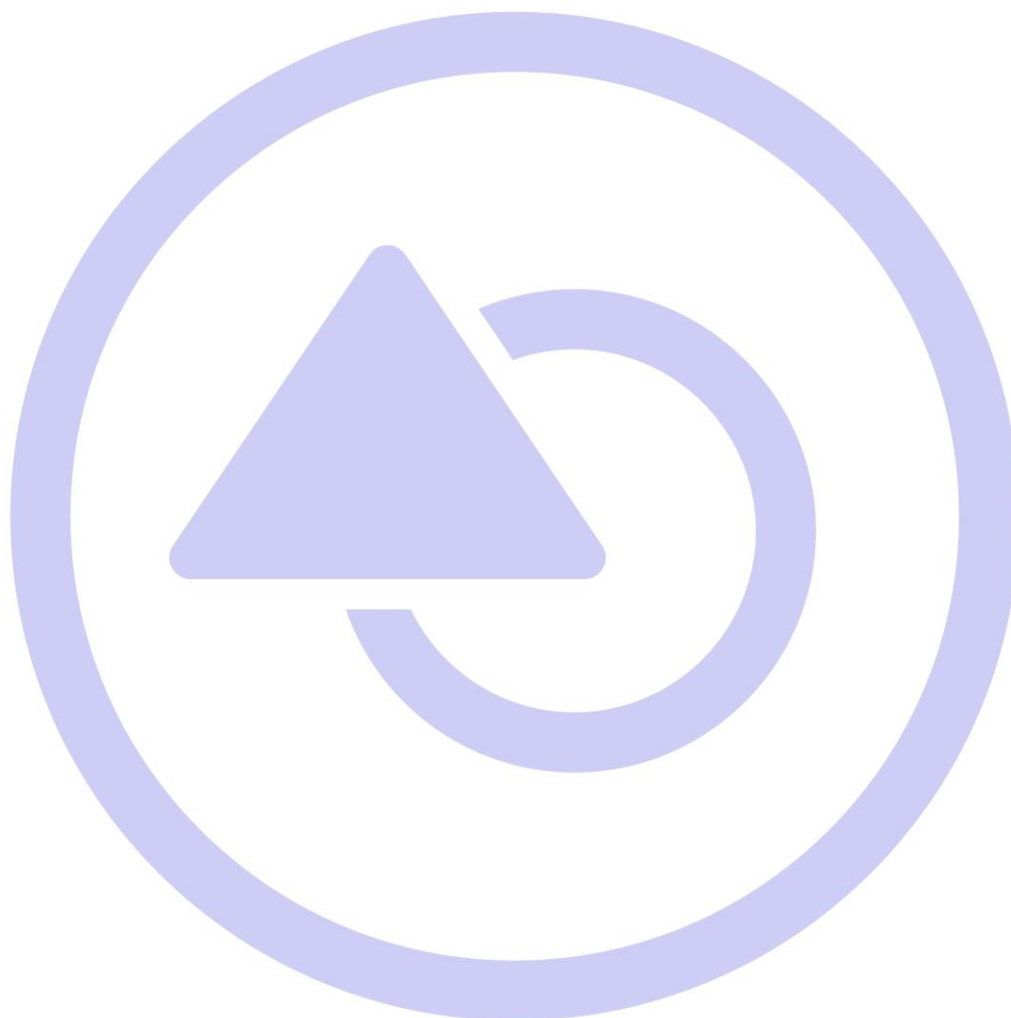
Rev00

Issued: 17/07/2026

EJB-e-Xh		590A	795A	1000A	795A	1000A	1180A
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Size of enclosure :

Type	External dimensions (mm)		
	A (Width)	B(Height)	C (Depth)
Min.	150	150	110
Max.	1200	1200	500



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SCHEDULE

[14]

EU – Type Examination Certificate No: ACE26ATEX030X Rev00

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Test documents are listed in the test report nº

EX_GEN019_26_26-1119, EX_EXE009_26_26-1119, EX_EXI004_26_26-1119, EX_EXT013_26_26-1119

[17]

Special conditions for safe use

1. Ambient temperature range:

The sealing material on cover is PU: -40°C~+40°C or -40°C~+60°C.

The sealing material on cover is Silicone rubber: -60°C~+40°C or -60°C~+60°C.

2. When the sealing material on cover is PU, the boxes are suitable for temperature class T6/T80°C and

T5/T80°C. When the sealing material on cover is Silicone rubber, the boxes are suitable for temperature class T6/T80°C, T5/T80°C and T4/T80°C/T85°C.

3. The size and amount of apertures refer to the manual.

4. For product with powder coating used in combustible dust atmosphere: "WARNING-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT!", "WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS!".

5. For all product, "WARNING - DO NOT OPEN WHEN ENERGIZED".

6. For product only installed with terminal blocks and with intrinsic safety marking, they have been assessed as simple apparatus and shall only be used within the intrinsic safety circuits. The terminal box with type of protection intrinsic safety can only connect to the intrinsic safety circuit and the maximum current through the terminal is not more than 5A.

[18]

Essential Health and Safety Requirements

Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
EJB-e series junction box / communication box	2MSC 520 004.001	V0	2023.3.22
EJB-e series junction box	2MSC 520 004.002	V0	2023.3.22
EJB-e series junction box / communication box	2MSC 520 004.003	V0	2023.3.22
EJB-e series junction box	2MSC 520 004.004	V0	2023.3.22
EJB-e series junction box/ communication box	2MSC 520 004.005	V0	2023.3.22
EJB-e series junction box	2MSC 520 004.006	V0	2023.3.22
Nameplate	8MSC 860 063.001	V0	2023.3.22
Operation manuals	8MSC 993 013	V0	2025.2.06

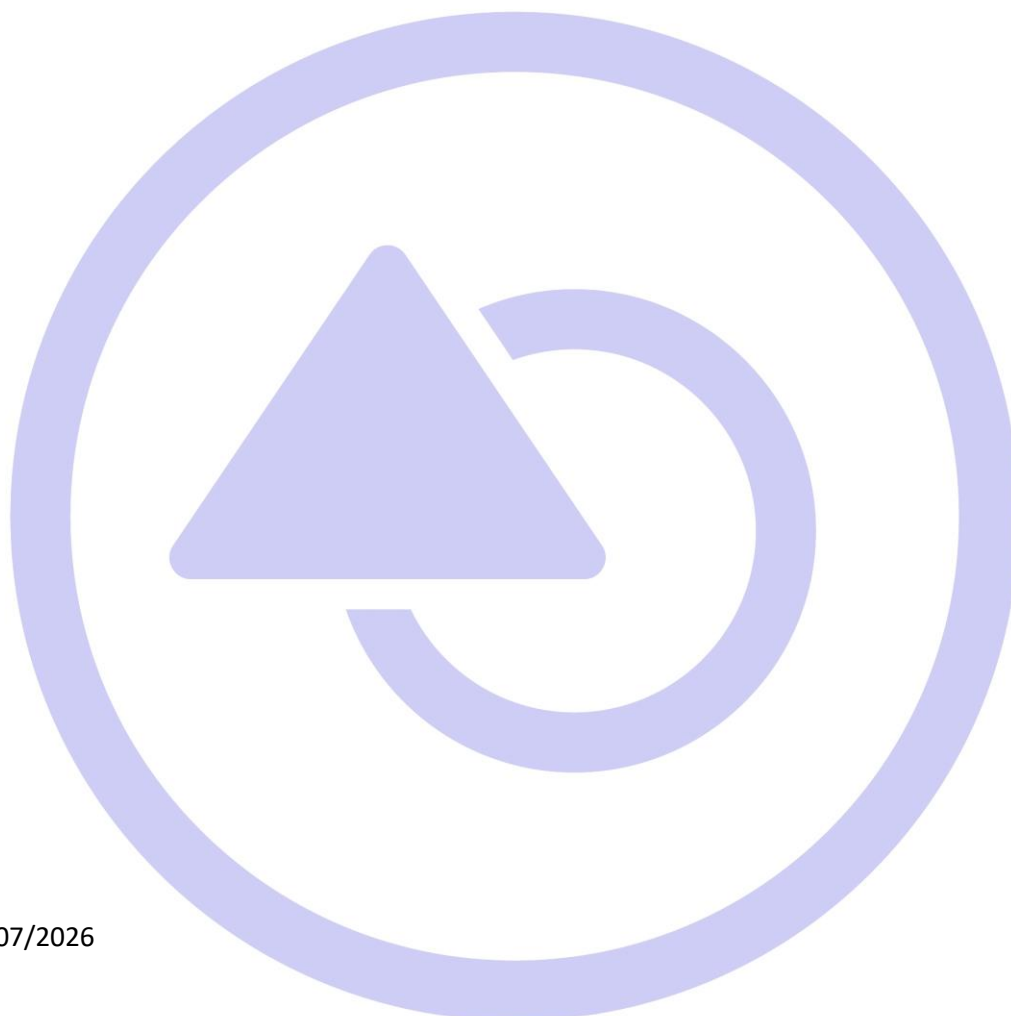
The documents above-mentioned are strictly confidential and they are of only use of authorities.

A copy of the documents are saved by A.C.&E. Iberia S.L.

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[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX030X	00	First emission	17/07/2026



Date: 17/07/2026



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

Matteo Marconi, CEO

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