



# Certificato di esame UE del tipo

*EU-type examination certificate*

**n. ECM 20 ATEX-B TW75**



Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B

*Issued according to 2014/34/EU Directive – Annex III - Module B*

## **Richiedente**

### **Applicant**

Ragione Sociale / *Company Name* MAM Explosion-proof Technology (Shanghai) Co., Ltd.  
Indirizzo / *Address* Zone A 3rd Floor, Zone A 2nd Floor, Zone A 1st Floor, Building 6, No.1888, Huiwang Road, Jiading District, Shanghai, China.  
Apparecchiatura / *Equipment* Explosion-proof terminal box  
Modello(i) / *Model(s)* MAMJB04-□ □ □

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente nell'allegato dello stesso. This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'ECM, Organismo Notificato n° 1282 in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva. **ECM, Notified Body No. 1282** in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.

Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2021-TW75. The examination and test results are recorded in confidential report no. PRD-2021-TW75.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle **Norme applicate:** EN 60079-0:2018, EN 60079-7:2015, EN 60079-11:2012, EN 60079-31:2014. The essential health and safety requirements are assured by compliance with applied **Standard:** EN 60079-0:2018, EN 60079-7:2015, EN 60079-11:2012, EN 60079-31:2014

Questo **Certificato di esame UE del tipo** è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato. This **EU-type examination certificate** relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: these requirements are not covered by this certificate.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:

*The equipment shall be marked with the following symbols:*

II 2G Ex eb IIC T6...T4 Gb

II 2G Ex ia IIC T6 Ga

II 2D Ex tb III C T80°C Db IP66

Valsamoggia (BO)

Data - Date 17/04/2020

Data di revisione – Revision date 31/03/2021

Timbro

Scadenza- Expiry date 16/04/2025



Firma autorizzata

*Authorized signature*

Amanda Payne  
(Deputy Manager)

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.

*This certificate, annex included, can only be reproduced in its entirety and without any change.*



# Allegato I / Annex I

al Certificato di esame UE del tipo  
to EU-type-examination certificate  
n. **ECM 20 ATEX-B TW75**



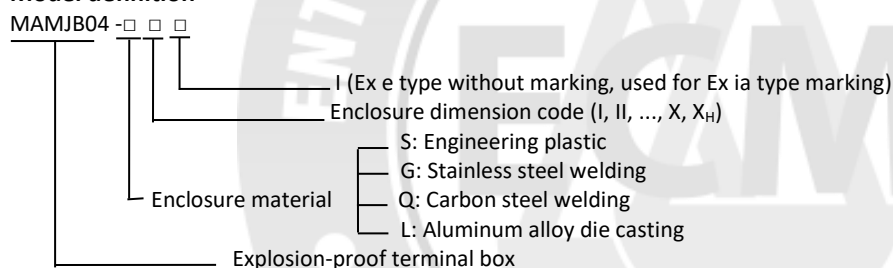
## Descrizione dell'apparecchiatura Equipment description

**Explosion-proof terminal box**      **MAMJB04-□ □ □**

Rated voltage: Max.110VAC/DC  
Ambient temperature: -60°C~+60°C  
Equipment anti-corrosion level: WF2

MAMJB04 series explosion-proof terminal box (hereinafter referred to as terminal box) is suitable for Zone 0, Zone 1 and Zone 2 dangerous places of T1 to T6 gas or explosive gas environment and Zone 21 and Zone 22 dangerous places of combustible dust environment, except for coal mine gas and dust environment. It is applicable to branching and wiring of different electrical equipment and connection of pipelines in different dangerous places such as chemical plants, warehouses, gas stations, oil well platforms, oil extraction and smelting.

### Model definition



### Size, power consumption table

No.	L * W * H (S: Engineering plastic)	Max power consumption(W) T6/T5/T4
I	80*80*60≤L*W*H≤110*139*98	10/25/40
II	I≤L*W*H≤130*220*109	25/40/60
III	II≤L*W*H≤179*260*121	40/55/70
IV	III≤L*W*H≤220*220*121	45/60/75
V(V <sub>H</sub> )	IV≤L*W*H≤220*360*121(171)	60/80/130(85/105/155)
VI(V <sub>H</sub> )	V(V <sub>H</sub> )≤L*W*H≤360*360*121(171)	130/150/200(160/180/230)
VII(VII <sub>H</sub> )	VII(VII <sub>H</sub> )≤L*W*H≤360*721*171(230)	300/350/420(400/450/600)

No.	L * W * H (Aluminum alloy: L)	Max power consumption(W)T6/T5/T4
I	80*80*60≤L*W*H≤190*132*127	10/25/40
II	I≤L*W*H≤190*190*127	25/40/60
III	II≤L*W*H≤250*190*127	40/55/70
IV	III≤L*W*H≤250*250*127	45/60/75
V(V <sub>H</sub> )	IV≤L*W*H≤300*200*150(200)	60/80/130(85/105/155)
VI(V <sub>H</sub> )	V(V <sub>H</sub> )≤L*W*H≤300*300*150(250)	130/150/200(160/180/230)
VII(VII <sub>H</sub> )	VI(V <sub>H</sub> )≤L*W*H≤350*250*150(250)	300/350/420(400/450/600)
VIII(VIII <sub>H</sub> )	VII(VII <sub>H</sub> )≤L*W*H≤350*300*150(250)	120/150/180(180/210/340)
IX(IX <sub>H</sub> )	VIII(VIII <sub>H</sub> )≤L*W*H≤400*400*150(250)	200/230/260(280/310/380)
X(X <sub>H</sub> )	IX(IX <sub>H</sub> )≤L*W*H≤502*350*150(250)	350/380/410(500/530/600)
XI	132*190*172	18/33/48
XII	125*80*60	10/25/40
XIII	140*140*117	20/35/50
XIV	120*120*80	15/30/45

No.	L* W * H (Stainless steel welding:G/Carbon steel welding:Q)	Max power consumption(W)T6/T5/T4
I	80*80*60≤L*W*H≤120*120*90	15/30/45
II	I≤L*W*H≤150*170*110	20/35/50
III	II≤L*W*H≤250*250*150	40/55/70
IV	III≤L*W*H≤300*300*150	60/75/90
V(V <sub>H</sub> )	IV≤L*W*H≤300*350*150(200)	100/130/180(150/180/220)
VI(V <sub>H</sub> )	V(V <sub>H</sub> )≤L*W*H≤400*400*150(250)	150/180/230(220/250/290)
VII(VII <sub>H</sub> )	VI(VII <sub>H</sub> )≤L*W*H≤480*480*150(250)	250/280/330(320/350/400)
VIII(VIII <sub>H</sub> )	VII(VIII <sub>H</sub> )≤L*W*H≤500*600*200(300)	320/350/400(390/420/470)
IX(IX <sub>H</sub> )	VIII(VIII <sub>H</sub> )≤L*W*H≤860*640*220(320)	500/530/590(650/700/800)
X(X <sub>H</sub> )	IX(IX <sub>H</sub> )≤L*W*H≤1200*800*300(400)	1200/1300/1500(1800/2000/2200)
XI	X(X <sub>H</sub> )≤L*W*H≤1500*1500*500(600)	2500/2800/3300(2700/2900/3400)
XII	XI≤L*W*H≤2200*2000*800	3500/3700/3900
XIII	150*150*80	20/35/50
XIV	200*150*70	25/40/55
XV	200*200*80(120)	30/45/60(45/60/75)
XVI	200*300*155	45/60/75
XVII	300*150*120	35/50/65
XVIII	300*200*120	45/60/75
XIX	300*300*120	60/75/90
XX	500*200*120	100/130/180
X XI	500*500*210	280/300/350
XXII	600*380*210	300/330/370
XXIII	600*600*210	350/390/420

Note: The above sizes with (H) are all heightened.

**Rapporto di verifica e di prova**  
**Verfication and test report**

PRD-2021-TW75

