



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001115

Applicant EISENBAU Srl.
Address Viale Europa, 39 I-20090 Cusago (MI), Italy
Manufacturer EISENBAU Srl.
Address Viale Europa, 39 I-20090 Cusago (MI), Italy
Production Factory EISENBAU Srl.
Production Address Via XXIV Maggio,13 I-25017 - Sedena di Lonato (BS), Italy
Product Limit switch box
Model/Type GD*****
Ex marking Ex db IIC T6...T4 Gb, Ex tb IIC T85°C...T135°C Db
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (6 pages)

Initial issue date: 2021-07-26

Issued on: 2023-01-10

Valid to: 2026-07-25

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



中国认可
产品
PRODUCT
CNAS C208-P

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CN 0001538



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Product information:

1. This certificate covers the following models:

- GD*****

Model explanation:

GD	*	*	*	**	*	*	**	*	**	**
	1	2	3	4	5	6	7	8	9	10

Code	Content	Explanation
GD	-	Product series
1	Material of enclosure	A: aluminum, copper free S: stainless steel
2	Cable entries	N: M20×1.5*2 M: M20×1.5*3 P: M25×1.5*2 L: M25×1.5*3 R: 1/2"NPT*2 H: 1/2"NPT*3 T: 3/4"NPT*2 G: 3/4"NPT*3 V: M20×1.5*1+M25×1.5*1 W: 1/2"NPT*1+3/4"NPT*1

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		Z: 1/2" NPT*2+3/4" NPT*1 x : specific digit for the remaining combinations of above thread type, not yet listed. Max n°3 cable entry per box.
3	Fixing bracket (not related to Ex)	2: 80×30 h20 3: 80×30 h30 4: 80×30 h40 5: 130×30 h50 6: 130×30 h30 8: 180×30 h50 9: 200×50 h80 0: not included
4	3D position indicator (not related to Ex)	RG: Plastic Red Closed/Green Open visual indicator YB: Plastic Yellow Closed/Black Open visual indicator AL: Aluminum rotary disk indicator GI: Tempered glass cap BI: Blind cover no indicator DI: Plastic Red Closed/Green Open, graduated scale indicator DL: Plastic Yellow Closed/Black Open, graduated scale indicator LI : Full adjustable Plastic Red Closed/Green Open NI : Blind cover, without visual indicator

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		TI : Special 3D T type visual indicator TL : Special 3D 3-way T type visual indicator TA : Special 3D 3-way T type 90° visual indicator TB : Special 3D 3-way T type 120° visual indicator FI : Special 3D 180° visual indicator AR : AISI 316L Red Closed/Green Open visual indicator AE : AISI 316L engraved visual indicator XX: different variants of indicator layout
5	Ambient T(°C)	S: -25°C~+85°C H: -25°C~+105°C L: -40°C~+85°C E: -60°C~+85°C Z : -25°C ~ +70°C X : depending on application, but always within max operative range limits (-60°C ~ +105°C) Note: Please refer to table below
6	Terminal strip (not related to Ex)	0: Standard terminal*0 2: Standard terminal*2 3: Standard terminal*3 4: Standard terminal*4 6: Standard terminal*6

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7	Switch type (not related to Ex)	ES: Dry contact EI.Mech.spdt ED: Dry contact EI.Mech.dpdt MS: Magnetic proximity spdt MD: Magnetic proximity dpdt PI: Inductive proximity PN: Inductive proximity Namur TX: Position transmitter TY: position of transmitter plus switch PX : Only potentiometer PY : Potentiometer plus switches
8	Switch qty (not related to Ex)	0~9
9	switch code (not related to Ex)	XX: n°2 numeric or alphanumeric digit to indicate model of switch/sensor , device or position transmitter
10	Special features (not related to Ex)	CCC : China Compulsory Certification S2: SIL2 S3: SIL3 xxxx: extra digits to be used to indicate additional product options

Electrical parameter:

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Ambient temperature: -60°C to +105°C

Nominal voltage: 0 Vdc - 125 Vdc

0 Vac - 250 Vac

Nominal current: 0.1A - 10A

Ta max [°C]	Maximal allowed power dissipation [W]	Temperature class	Maximum surface temperature	Suitable cable temperature class
40	10	T6	85°C	70°C
65	4	T6	85°C	80°C
	10	T5	100°C	100°C
85	4	T5	100°C	100°C
	10	T4	135°C	120°C
90	4	T4	135°C	105°C
	10	T4	135°C	125°C
105	4	T4	135°C	120°C

IP degree: IP66/IP68 (20m/2h)

Ex marking: Ex db IIC T6...T4 Gb, Ex tb IIIC T85°C...T135°C Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Appropriate method of installation, maintenance and operation, should prevent accumulation of static charge on enclosure of the device.

- Use screws of quality A2-70 or A4-70 with ultimate tensile strength of at least 700

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MPa.

- See instruction for other information.
- 3. Certificate related report(s):
 - Type test report: CQST2102C018, CQST2102C018/01
 - Factory inspection report: CN2021Q010027
- 4. Certificate change information:
 - The reference standards updated, as first change on January 10, 2023.

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