



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2021312313000400

<b>Applicant</b>	ROSE Systemtechnik GmbH
<b>Address</b>	Erbeweg 13-15, 32457 Porta Westfalica, Germany
<b>Manufacturer</b>	ROSE Systemtechnik GmbH
<b>Address</b>	Erbeweg 13-15, 32457 Porta Westfalica, Germany
<b>Production Factory</b>	Phoenix Mecano S.E. Asia Pte. Ltd.
<b>Production Address</b>	53 Ubi Ave 3#04-01, Travelite Building, Singapore 408863
<b>Product</b>	Enclosure
<b>Model/Type</b>	EJB**
<b>Ex marking</b>	Ex db IIB + H <sub>2</sub> Gb, Ex db IIB Gb, Ex tb IIIC Db
<b>Reference Standards</b>	GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.31-2021

**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 (3 pages)

Initial issue date: 2021-06-16

Issued date: 2023-11-28

Valid to: 2026-06-15

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.



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CN0000106DZ





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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## Product information:

1. This certificate covers the following models:

- EJB\*\*

For detailed Model/Type: EJB 01, EJB 02, EJB 03, EJB 04, EJB 06, EJB 07,  
EJB 09, EJB 10

Ingress protection: IP66

Technical data:

The relation between enclosure type, temperature class, maximum surface temperature, maximum ambient temperature and maximum allowed power dissipation is given in the table below.

Temperature class	T6			T5					T4				
Max. surface temperature	T85 °C			T100 °C					T135 °C				
Max. ambient temperature (°C)	40	50	60	40	50	55	60	75	40	50	60	90	110
EJB Type	Maximum allowed power dissipation (W)												
EJB 01	60	-	36	-	-	60	-	36	-	-	-	60	36
EJB 02	76	-	42	-	-	76	-	42	-	-	-	76	42
EJB 03	87	-	60	-	-	87	-	60	-	-	-	87	60
EJB 04	190	150	105	292	230	190	185	105	530	455	390	190	105
EJB 06	209	166	114	338	260	209	206	114	584	514	436	209	114
EJB 07	365	290	205	570	440	365	320	205	1050	890	760	365	205
EJB 09	467	319	236	728	555	467	353	236	1238	1145	956	467	236
EJB 10	726	568	400	1085	864	726	712	400	2038	1709	1454	726	400

Ex marking: Ex db IIB + H<sub>2</sub> Gb, Ex db IIB Gb, Ex tb IIIC Db

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

Issued date: 2023-11-28

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Apparatus Research Institute Co.,Ltd.







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## (Annex)

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### 2. Specific conditions of safety use:

#### - Technical data

Enclosure Type	Service temperature range	Ambient temperature range
EJB 01 ... EJB 04 and EJB 07 - without window - with window, extended thickness	-60°C to +135°C	-60°C to +110°C
EJB 01 ... EJB 04 and EJB 07 - with window, normal thickness EJB 06, 09 and 10	-20°C to +135°C	-20°C to +110°C

- For enclosures provided with a powder coating or liquid painting and intended for use in dust Group applications, the user shall minimize the risk from electrostatic discharge by suitable selection and installation.
- The maximum number of apertures, their maximum sizes and their positions are specified in the instruction manual IM.EJB.U.
- Oil-filled circuit-breakers and contactors shall not be used.
- The content of the EJB enclosure may be placed in any arrangement provided that an area of at least 20 % (Group IIB) or 40 % (H<sub>2</sub>) of each cross-sectional area remains free. Separate relief areas may be aggregated provided that each area has a minimum dimension in any direction of 12.5 mm.
- The flame path of the cover differs from the values stated in GB/T3836.2. Contact the manufacturer for information on the dimensions of the flameproof joints.
- The M6, M8, M10 and M12 fasteners are of grade A2-70 with a yield stress of at least 450 MPa and shall be applied with a minimum torque value of 11 Nm (M6), 28 Nm (M8), 58 Nm (M10) and 95 Nm (M12).
- See instruction for other information.

### 3. Certificate related report(s):

Issued date: 2023-11-28

Director:



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



中国认可  
产品  
PRODUCT  
CNAS C208-P





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- Type test report: CQST2105C019, CQST2105C019/01

4. Certificate change information:

- 1st change on April 11, 2023: Updated the standards for certification.

- 2nd change on November 28, 2023: Changed the address name of the Production Factory.

Issued date: 2023-11-28

Director:



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