

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001052

ROSE Systemtechnik GmbH **Applicant**

Erbeweg 13-15, 32457 Porta Westfalica, Germany **Address**

ROSE Systemtechnik GmbH Manufacturer

Erbeweg 13-15, 32457 Porta Westfalica, Germany **Address**

ROSE Systemtechnik GmbH **Production Factory**

Production Address Erbeweg 13-15, 32457 Porta Westfalica, Germany

Control box Product

IJB** Model/Type

Ex db IIB + H₂ T4/T5/T6 Gb, Ex db IIB T4/T5/T6 Gb, Ex marking

Ex tb IIIC T85°C/T100°C/T135°C Db

GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.31-2021 Reference Standards

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

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: 2021-05-18

Valid to: 2026-05-17 Issued date: 2023-04-11

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.



P.C.: 473008

http://www.ccc-cnex.com ccc.china-ex.com

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China Tel: 0377-63239734

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Product information:

1. This certificate covers the following models:

- IJB**

For detailed Model/Type: IJB01、IJB02、IJB03、IJB04、IJB05、IJB06

Ingress protection: IP66

Electrical ratings:

The electrical ratings are dependent on the built-in components and equipment, but do not exceed 1.1 kV ac/dc nominal, 850 A and 500 mm². Actual ratings are stated on the nameplate.

Options:

The flanged flamepaths may be provided with a max. 0.008 mm thick electro-plating.

The enclosures may be provided in natural finish, electro-plated, powder coated or liquid painted. The painting thickness does not exceed 0.18 mm.

Thermal 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	Т6			T5	6			T4					
Max. surface temperature*	T85 *	C		T100	C			T135 ℃					
Maximum ambient temperature (℃)	40	50	60	40	50	55	60	75	40	50	60	90	110
IJB Type	Maximum allowed power dissipation (W)												
IJB01	108	-	56	//////#	2	108	20) ₇ ,	56	1.4		350	108	56

Issued date: 2023-04-11

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IJB02	120	1	72	-	9774	120	A///3	72	-	-	-	120	72
IJB03	145	-	76	-		145	((4//3///	76			-	145	76
IJB04	198	150	95	228	220	198	160	95	480	430	360	198	95
IJB05	300	200	136	408	309	300	241	136	659	586	491	300	136
IJB06	332	218	155	473	400	332	282	155	894	818	636	332	155

Ex marking: Ex db IIB + H₂ T4/T5/T6 Gb, Ex db IIB T4/T5/T6 Gb,

Ex tb IIIC T85°C/T100°C/T135°C Db

The equipment is marked with Group IIB if at least 20% of each internal cross-sectional area remains free; it may be marked with Group IIB + H2 if at least 40% of each internal cross-sectional area remains free.

- Producers should organize production in accordance with the technical documents approved by the certification body.
- 2. Specific conditions of safety use:
 - Ambient temperature range

Maximum ambient temperature range (for details see the table above):

IJB01、IJB02、IJB03: -20°C or -60°C to +110°C IJB04、IJB05、IJB06: -20°C to +110°C

Tel: 0377-63239734

- For enclosures provided with a powder coating, liquid painting or provided with a non-metallic nameplate and/or tagplate and intended for use in dust Group applications, the user shall minimize the risk from electrostatic discharge by suitable selection and installation.
- The flamepath 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 M8 or M10 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 28 Nm(M8) or 58 Nm(M10).

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CATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

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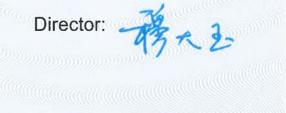
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- See instruction for other information.
- 3. Certificate related report(s):
 - Type test report: CQST2010C045, CQST2010C045/01
 - Factory inspection report: CN2020Q010255
- Certificate change inform ation:
 - 1st change on April 11, 2023:

Updated the standards for certification.

Issued date: 2023-04-11

Director:





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