

OR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001054

Applicant

ROSE Systemtechnik GmbH

Address

Erbeweg 13-15, 32457 Porta Westfalica, Germany

Manufacturer

ROSE Systemtechnik GmbH

Address

Erbeweg 13-15, 32457 Porta Westfalica, Germany

Production Factory

ROSE Systemtechnik GmbH

Production Address

Erbeweg 13-15, 32457 Porta Westfalica, Germany

Product

Control box

Model/Type

GUB***

Ex marking

Ex db IIB T4/T5/T6 Gb, Ex db IIC T4/T5/T6 Gb,

Ex tb IIIC T85°C/T100°C/T135°C Db

Reference Standards

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

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

Issued date: 2023-04-11

Valid to: 2026-05-17

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.



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

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China

Tel: 0377-63239734

Email: ccc@cn-ex.com

P.C.: 473008



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Product information:

- This certificate covers the following models:
 - GUB***

The GUB*** series consist of 12 types:

GUB 01, GUB 02, GUB 03, GUB 04, GUB 05, GUB 06: enclosures in 6 different sizes, without display window;

GUB 01W, GUB 02W, GUB 03W, GUB 04W, GUB 05W, GUB 06W: enclosures in 6 different sizes, with display window.

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, 415 A and 240 mm². Actual ratings are stated on the nameplate.

Options:

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

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

Thermal data:

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

Temperature T6 class		T5	T4				
Max. surface temperature*	T85 ℃	T100 ℃	T135 ©				

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(Annex)

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Maximum ambient temperature (°C)											Page 2 of 3				
	40	50	60	40	50	55	60	75	40	50	60	90	110		
GUB Type:	Maximum allowed power dissipation (W)														
01	82	18860	38	ui i	ATTOO!	82		38		V(///#(0))	() () - () (82	38		
01W				-	-		1 -		-		-	100			
02	86	100	45	((((())))) ₁	86	Wes	45	-	-		86	45		
02W)//////		•			2		90h -			mmakuu)	- (market		
03	114		64	-		114	28/c =	64		-		114	64		
03W				-						-	-				
04	170	170 120	70	230 180	180	170	126	70	410	376	316	170	70		
04W							401	1		-	120	(2002)			
05	218	168	91	291	226	218	159	91	491	451	400	218	91		
05W										/	-	-			
06	250	182	15 0	405 282	282	250	215	150	723	609	472	250	150		
06W									-		-	-	-		

Ex marking: Ex db IIB T4/T5/T6 Gb, Ex db IIC 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 IIC 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.
- Specific conditions of safety use:

: values have been determined without a dust layer

- Ambient temperature range:

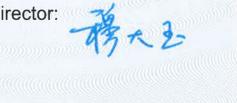
Maximum ambient temperature range (for details see table above):

GUB 01 ... GUB 06: -20°C to +110°C

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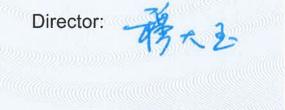
GUB 01W ...GUB 06W: -20°C to +75°C

- 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 threaded flame path of the cover is more than required by GB/T3836.2. Contact the manufacturer for information on the dimensions of the flameproof joints.
- See instruction for other information.
- Certificate related report(s):
 - Type test report: CQST2010C047, CQST2010C047/01
 - Factory inspection report: CN2020Q010255
- Certificate change information:
 - 1st change on April 11, 2023:

Updated the standards for certification.

Issued date: 2023-04-11

Director:





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