



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000386

<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 India Pvt Ltd.
<b>Production Address</b>	Plant -I & II, Pirangut Industrial Area, Post Gohotawade, Plot 388/389, Village Bhare, Taluka Mulshi, Dist-Pune - 412115, India
<b>Product</b>	Enclosure
<b>Model/Type</b>	GUB***
<b>Ex marking</b>	Ex d IIB Gb, Ex d IIC Gb, Ex tD A21 IP66
<b>Reference Standards</b>	GB3836.1-2010, GB3836.2-2010, GB12476.1-2013, GB12476.5-2013

**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 CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages)

Issued on: 2021-05-21

Valid to: 2026-05-20

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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## (Annex)

No.: 2021312313000386

Page 1 of 3

### 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

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				
Maximum ambient temperature (°C)	40	50	60	40	50	55	60	75	40	50	60	90	110
GUB Type:	Maximum allowed power dissipation (W):												
01	82	-	38	-	-	82	-	38	-	-	-	82	38
01W		-		-	-		-		-	-	-	-	-
02	86	-	45	-	-	86	-	45	-	-	-	86	45
02W		-		-	-		-		-	-	-	-	-
03	114	-	64	-	-	114	-	64	-	-	-	114	64
03W		-		-	-		-		-	-	-	-	-
04	170	120	70	230	180	170	126	70	410	376	316	170	70

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## (Annex)

No.: 2021312313000386

Page 2 of 3

04W									-	-	-	-	-
05	218	168	91	291	226	218	159	91	491	451	400	218	91
05W									-	-	-	-	-
06	250	182	150	405	282	250	215	150	723	609	472	250	150
06W									-	-	-	-	-

\* : values have been determined without a dust layer

### 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.

Ex marking: Ex d IIB Gb, Ex d IIC Gb, Ex tD A21 IP66

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

### 2. Specific conditions of safety use:

- Service temperature range:

GUB 01 ... GUB 06: -20°C to +130°C

GUB 01W ... GUB 06W: -20°C to +95°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.GUB.U.
- Oil-filled circuit-breakers and contactors shall not be used.
- The content of the GUB enclosure may be placed in any arrangement provided that an area of at least 20 % (Group IIB) or 40 % (Group IIC) of each cross-sectional area

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312313000386

Page 3 of 3

remains free. Separate relief areas may be aggregated provided that each area has a minimum dimension in any direction of 12.5 mm.

- The threaded flame path of the cover is more than required by GB 3836.2. Contact the manufacturer for information on the dimensions of the flameproof joints.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2010C044

- Factory inspection report: CN2020Q010227

4. Certificate change information: None

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