

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2024312301005152

Applicant and address

ATB Schorch GmbH
Breite Str. 131, 41238 Mönchengladbach, Germany

Manufacturer and address

ATB Schorch GmbH
Breite Str. 131, 41238 Mönchengladbach, Germany

Factory and address

ATB Schorch GmbH
Breite Str. 131, 41238 Mönchengladbach, Germany

Product, series, specification and model

Asynchronous motor
KR6836G-PA12
Ex db eb ib pxb IIC T4 Gb

Standards

GB/T 3836.1-2021, GB/T 3836.2-2021 GB/T3836.3-2021,GB/T3836.4-2021,
GB/T3836.5-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2019
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2024-01-11 Valid to: 2029-01-10

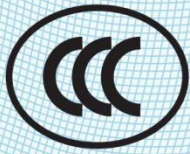
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

This translated documents has no legal effect and shall not be used alone.



Director:

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Product information:

1. This certificate covers the following models:

- KR6836G-PA12

Type code

K	Machine type K: Asynchronous motor with deep-bar rotor
R	Type of cooling and degree protection R: own surface cooling, air / tube Soma
68	code number for active diameter 68:1145 mm
36	Code number for active core length 36: 800 mm
G	Design G: B3 with sleeve bearings
-	
P	Type of protection P: pressurized enclosure
A	Nominal voltage and frequency A: 3.3 kV < UN ≤ 7 kV 50 Hz
12	Number of poles 12: 12 pol

Electrical Rating :

Motor	Main-operated
Duty Type	S1
Power	1460 kW
Voltage	6000 V Y
Current	183A
Speed	496 r/min
Frequency	50 Hz
Torque	28111 Nm
Thermal class	155(F)

The mains voltage may vary by up to $\pm 10\%$ and the mains frequency by up to $\pm 1\%$ from the rated values. The sum of tension variation and frequency fluctuation is allowed not more than $\pm 10\%$.

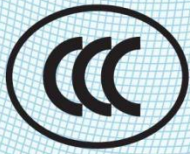
Resistance temperature detector:

Measuring circuit:



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In type of protection Intrinsic Safety "Ex ia IIC T6...T4", Intrinsic safety parameters must be observed in accordance with the respective certificates of the equipped certified parts and their manufacturer documentation.

Data for pressurized enclosure

Internal free volume	3.2 m ³
Protective gas	Air
Technique	Leakage compensation
Minimum volumetric flow of protective gas for purging	6.67 m ³ /min
Minimum purging time	15 minutes
min.qty.of protective gas req. for purging	32m ³
min.internal overpressure (in progress)	500 Pa
Max.internal overpressure (in progress)	2000 Pa
Purging pressure min.	0.5 MPa
Purging pressure max.	1.0 MPa
leakage rate at 10mbar	3.6 m ³ /h

Ex marking: Ex db eb ib pxb IIC T4 Gb

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

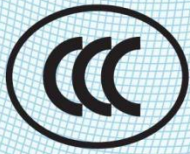
2. Special conditions of use:

- Permissible ambient temperature ranges: -15°C to +40°C.
- Type MiniPurge monitoring devices of the pressurization with CCC no.: 2020312304000830 is manufactured by EXPO Technologies Ltd.
- The monitoring device of the pressurized enclosure, which consists at minimum of the controller, the pressure resp. flow rate monitoring and the protective gas distribution, shall be examined according to the requirements of article 7.4 of GB/T 3836.5-2017 regarding the function of the monitoring device.
- This examination also includes the examination of the protective gas piping resp. outlet ducts, according to the article 5.4 of GB/T 3836.5-2017, for example regarding the maximum permissible overpressure and the use of protective devices according to annex D.2.2 of GB/T 3836.5-2017.



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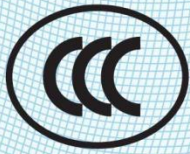
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- The appropriate data of the pressurization,
 - minimum volumetric flow of protective gas for purging and
 - minimum purging time and
 - minimum excess pressure at the alarm transmitter and
 - leakage rate at maximum working pressure, should be taken from the manufacturer's documents (operating manual) and the label.
- The monitoring device of the pressurized enclosure must be set at least with due observation of the fixed data for
 - the disconnection of the three-phase induction motor or connection of a warning signal in case of the fixed minimum excess pressure for the protective gas has fallen below,
 - examination of the leakage loss rate,
 - the minimum volumetric flow of protective gas during purging.
- The motor must be suitably protected against overload. For example with slot thermometers in the type of protection Intrinsic Safety "i" or Increased Safety "e".
- If danger extension is to be expected by direct disconnection of the three-phase induction motor the failure must be indicated (warning signal) and other suitable protection methods with respect to the operator's safety concept must be initiated.
- The slot thermometers in type of protection Intrinsic Safety "i" shall only be connected to separately certified intrinsically safe circuits with electrical isolation.
- Additional control systems, measuring systems or heating devices of the three-phase induction motor, such as resistance temperature detectors, anti-condensation heaters, auxiliary terminal box etc., which are incorporated in the hazardous area must be designed explosion-proof according to separate certificate, and confirmed by certification body. It shall be considered that apparatus group and temperature class of the three-phase induction motor can be restricted by equipping the motor with separately certified apparatus.



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- When using current transformers, it must be guaranteed that the secondary circuit of the current transformers is safely protected against unintentional opening when being in operation inside and outside the hazardous area.
- If an anti-condensation heater is in place, an interlocking system must ensure that the anti-condensation heater can only operate when the motor is at a standstill.
- Measures regarding the maximum coat thicknesses for coats of paint on the machine enclosure shall be included in the operating instruction.
- Motors with sleeve bearings, operation in the specified bearing temperature range must be ensured. Therefore the manufacturer's instructions (operation manual, motor documentation) must be observed.
- Additional special conditions for safe use can be given in the associated data sheet.
- See instruction for other information.

3. Certificate related report(s)

- Type test report: CQST2312C042.

4. Certificate change information: none.



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