



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312301002772

Applicant PARKER HANNIFIN MANUFACTURING France SAS
Address 4 boulevard Eiffel, 21604 LONGVIC, France
Manufacturer PARKER HANNIFIN MANUFACTURING France SAS
Address 4 boulevard Eiffel, 21604 LONGVIC, France
Production Factory PARKER HANNIFIN MANUFACTURING France SAS
Production Address 4 boulevard Eiffel, 21604 LONGVIC, France
Product Servomotor
Model/Type EX310E***1**C
Ex marking Ex db IIB T4 Gb, Ex tb III C T135°C Db
Reference Standards 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 (4 pages)

Initial issue date: 2021-02-01

Issued date: 2023-04-19

Valid to: 2026-01-31

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:

穆大玉



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



中国认可
产品
PRODUCT
CNAS C208-P

<http://www.ccc-cnex.com>
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CN 0001741



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Product information:

1. This certificate covers the following models:

- EX310E***1**C

Product code:

Product code.											
Code	EX	3	10	E	*	*	*	1	*	*	C
	1	2	3	4	5	6	7	8	9	10	11
1	Product Series										
2	Motor size			3							
3	Motor length			10							
4	Motor version			E: ATEX/IECEX/CCC motor							
5	Feedback Sensor			A: resolver 2 poles transformation ratio = 0.5 P: DSL encoder singleturn EKS36 – SIL2 Q: DSL encoder multiturn EKM36 – SIL2 R: Hiperface encoder singleturn SKS36 (128pulses) - SIL2 S: Hiperface encoder mutiturn SKM36 (128pulses) - SIL2 T: Hiperface encoder singleturn SRS50 (1024pulses) U: Hiperface encoder mutiturn SRM50 (1024pulses) X: Incremental 2048ppr and with commutation – on request Y: sensorless Z : Special encoder							

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6	Torque / Speed Characteristics	A,B... to Z
7	Painting	R: no painting B: Black painting
8	Electric connection	1: Cable gland
9	Break and thermal sensor option	2: Without brake 5: With brake
10	Mechanical Interface	00: IP64 plain shaft 01: IP64 key on shaft 10: IP65 with plain shaft 11: IP65 with key on shaft
11	Nameplate	CCC

Ratings:

Supply voltage of the associated servodrive	24V DC	48V DC	230V AC single-phase/ three-phases	400V AC three-phases
Continuous supply voltage (V)	24±10%	48±10%	310±10%	550±10%
Output frequency (Hz)	0 to 700	0 to 700	0 to 700	0 to 700
Permanent current into one phase (A/Arms)	17/12 Max	17/12 Max	7.5/5.3 Max	4/2.8 Max
Maximum current into	34/24 Max	34/24 Max	15/10.6 Max	8/5.6 Max

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one phase (A/Arms)				
Maximum permanent power of the motor (W)	250 Max	500 Max	1900 Max	1800 Max

Thermo-fuse triggering threshold: 130°C 0/-5°C

Thermo-switch triggering threshold: 125°C ± 5°C

Ingress protection: IP64/IP65 is applicable for product with marking Ex db IIB T4 Gb

IP65 is applicable for product with marking Ex tb III C T135°C Db

Ex marking: Ex db IIB T4 Gb, Ex tb III C T135°C Db

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

2. Specific conditions of safety use:

- Rated ambient temperature range: -20°C~+60°C
- The gap and length of flameproof joints should be in accordance with those indicated in clause 4.4.3 of instructions.
- The screws used for the assembly of the various parts of explosion-proof enclosures must have a yieldstress higher or equal to: 800MPa.
- See instruction manual for other information.

3. Certificate related report(s):

- Type test report: CQST2012C028, CQST2012C028/01
- Factory inspection report: CN2021Q010017

4. Certificate change information:

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- 1st change on April 19, 2023:

Updated the standards for certification.

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