CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000455

Applicant	CORREGE
Address	RN 13 Chaignes, 27120 PACY SUR EURE, France
Manufacturer	CORREGE
Address	RN 13 Chaignes, 27120 PACY SUR EURE, France
Production Factory	CORREGE
Production Address	RN 13 Chaignes, 27120 PACY SUR EURE, France
Product	Resistance / thermocouple probe
Model/Type	PT* * *, PS* * *
Ex marking	Ex ia IIC T6~T3 Ga, Ex ia IIIC T85℃/T100℃/T135℃/T200℃ Da, Ex ib IIC T6~T3 Gb, Ex ib IIIC T85℃/T100℃/T135℃/T200℃ Db
Reference Standards	GB/T3836.1-2021, GB/T3836.4-2021
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: 2021-07-05

Issued date: 2023-06-01 Valid to: 2026-07-04

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.

CNAS 中国认可 产品 PRODUCT CNAS C208-P

http://www.ccc-cnex.com ccc.china-ex.com
Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008
Tel: 0377-63239734 Email: ccc@cn-ex.com

CN 0001870

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2021312315000455

Product information:

1. This certificate covers the following models:

- PT* * * , PS* * *

Model explanation:

PT/PS	*	*	*
	1)	2)	3)

1) number of element: 1 to 3

1: single element

2: double element

3: triple element

2) element type: J/K/ P

J/K: Thermocouple

P: Resistive element

3) mounting type: A to D

A: drawing Ex 031814

B: drawing Ex 031815

C: drawing Ex 031832

D: drawing Ex 031833

Electrical parameters:

for each individual circuit (per meter-length cable) : Ci : 0.1nF/m, Li : 1μH/m

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thermocouple : Ci ≈ 0, Li ≈ 0.

resistance probe : for the models with only one probe, and with two probes : for each probe : RI = 100Ω at 0°C (or 500 Ω or 1000Ω or others values), Pi : 0.25W or 0.5W or 0.75W or 0.84W

Intrinsic safety parameters: Ui : 28 V, Ii : 120 mA, Pi : 840 mW, Ci : 0,1nF/m, Li : 1μH/m

Service temperature see specific conditions of safety use.

Ex MARKING:

Resistance probe and thermocouple with a diameter upper or equal to 1mm :

Ex ia IIC T6~T3 Ga, Ex ia IIIC T85℃/T100℃/T135℃/T200℃ Da

Resistance probe and thermocouple with a diameter lower at 1mm :

Ex ib IIC T6~T3 Gb, Ex ib IIIC T85℃/T100℃/T135℃/T200℃ Db

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

2. Specific conditions of safety use:

- Ingress protection: IP6X.
- Ambient temperature: -50℃~+60℃.
- The user shall take every precaution in order the thermal transfer of the measured element does not heat the connecting head to the self-ignition of the gas in which it could eventually be placed (potentially explosive atmosphere).
- The equipment must only be associated to a IS certified apparatus, and this combination must be compatible as regards intrinsic safety (see electrical parameters).
- The junction of each individual element shall be made in none hazardous area (or in case of a junction in the hazardous area on terminal elements which keep a

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南阳防爆电气研究所有限公司

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minimum distance in the air of 6 mm between circuits and inside an enclosure according to the requirements of the standards.

- Sensor's temperature increase is as following:

Junction box's	Classification Gas	Classification Dust
-50℃~+80℃	T6	T85℃
-50℃~+95℃	T5	T100℃
-50℃~+130℃	T4	T135℃
-50℃~+195℃	T3	T200℃

- The temperature elevation of the sensing element according to the power dissipated in this is given below:

Thermocouple: Heating ≤ 5K.

Resistive probe:

Dissipated power (W)	MONO ELEMENT / Temperature increase (K)	DUAL ELEMENT / Temperature increase (K)
0.25	20	35
0.50	65	90
0.75	105	155
0.84	115	170

When there are triple element, one of them can only be used as a replacement spare element.

- See instruction for other information.

3. Certificate related report(s):

   - Type test report: CQST2106C085, CQST2106C085/01

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- Factory inspection report: CN2021Q010294

4. Certificate change information:

- 1st change on June 01, 2023: Updated the standards for certification.

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