



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312315000455

Applicant and address

CORREGE

RN 13 Chaignes, 27120 PACY SUR EURE, France

Manufacturer and address

CORREGE

RN 13 Chaignes, 27120 PACY SUR EURE, France

Factory and address

CORREGE

RN 13 Chaignes, 27120 PACY SUR EURE, France

Product, series, specification and model

Resistance / thermocouple probe

PT***, PS***

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

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

Standards

GB/T3836.1-2021, GB/T3836.4-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2026-07-02 Valid to: 2031-07-04

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 document has no legal effect and shall not be used alone.



Director:

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



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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

thermocouple : Ci $\approx$ 0, Li $\approx$ 0.

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

Intrinsic safety parameters: Ui : 28 V, li : 120 mA, Pi : 840 mW, Ci :



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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°C/T100°C/T135°C/T200°C Da

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

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

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

2. Specific conditions of use:

- Ingress protection: IP6X.
- Ambient temperature: -50°C~+60°C.
- 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 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°C~+80°C	T6	T85°C
-50°C~+95°C	T5	T100°C
-50°C~+130°C	T4	T135°C



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-50℃~+195℃	T3	T200℃
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- The temperature elevation of the sensing element according to the power dissipated in this is given below:

Thermocouple: Heating $\leq 5K$.

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 change information:

- This certificate is issued for renewal upon expiration. The first issuance date of the certificate is: July 5, 2021.



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