



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2022312315000595

Applicant Techno Controls
Address 54/1, Meladi Estate Gota Railway Crossing, Gota Ahmedabad – 382481, Gujarat, India
Manufacturer Techno Controls
Address 54/1, Meladi Estate Gota Railway Crossing, Gota Ahmedabad – 382481, Gujarat, India
Production Factory Techno Controls
Production Address 54/1, Meladi Estate Gota Railway Crossing, Gota Ahmedabad – 382481, Gujarat, India
Product Bearing Temperature Detectors
Model/Type TBTD-Q, TBTD-K, TBTD-L, TBTD-O, TBTD-U, TBTD-QET, TBTD-KET, TBTD-LET, TBTD-OET, TBTD-UET
Ex marking Ex ia IIC Ga
Reference Standards GB/T 3836.1-2021, GB/T 3836.4-2021

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

See Annex for the detailed product information (2 pages)

Issued on: 2022-05-25

Valid to: 2027-05-24

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,

Director:



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



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CN 0001146



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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Product information:

1. This certificate covers the following models:

- TBTD-Q, TBTD-K, TBTD-L, TBTD-O, TBTD-U, TBTD-QET, TBTD-KET, TBTD-LET, TBTD-OET, TBTD-UET

Electrical Data: $U_i=12V$, $I_i=35mA$, $P_i=105mW$, $C_i=5.9nF$, $L_i=2.5mH$

For TBTD-Q, TBTD-K, TBTD-L, TBTD-O, TBTD-U,
Temperature measuring range/Service temperature: $-50^{\circ}C$ to $+180^{\circ}C$.

For TBTD-QET, TBTD-KET, TBTD-LET, TBTD-OET, TBTD-UET,
Temperature measuring range/Service temperature: $-40^{\circ}C$ to $+180^{\circ}C$.

For TBTD-Q, TBTD-K, TBTD-L, TBTD-O, TBTD-U,
Service Temperature range on the termination part: $-50^{\circ}C$ to $+100^{\circ}C$.

For TBTD-QET, TBTD-KET, TBTD-LET, TBTD-OET, TBTD-UET,
Service Temperature range on the termination part: $-40^{\circ}C$ to $+100^{\circ}C$.

Ex marking: Ex ia IIC Ga

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

2. Specific conditions of safety use:

- The electrical connection should be connected to the approved unit according to application or to terminal box according to requirements at the connecting site. The sensors can only be connected to measuring equipment prepared for PT100/PT1000 sensors.

- The high voltage test needs to be performed when completely assembled with the final assembly.

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- Bearing temperature detector when used in the final application, proper protection shall be provided to the cable and cable gland shall be provided for the cable assembly.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2205C037

- Factory inspection report: CN2022Q010213

4. Certificate change information: None

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