

Instructions: TC219485 Non-Sparking Temperature Detector

 II 3 G Ex nA IIC Gc U

Document 2222260 Rev. A

1. Description

Thermocouple temperature detector probe. Designed for installation within a bearing.
Operating temperature range: -50°C to 125°C.

2. Attestation of Conformity

This Attestation of Conformity is issued under the sole responsibility of the manufacturer.

Temperature detector type: TC219485.

The product defined above is in conformity with the following relevant legislation:

ATEX Directive 2014/34/EU

EN 60079-0:2012+A11:2013 Explosive atmospheres - Part 0: Equipment - General requirements

EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

 11 July 2017

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3. Installation Instructions

The TC219485 thermocouple probe is designed to be installed by threading the spring-loaded fitting into the process (typically a bearing). The probe may be directly immersed in an electrically non-conductive fluid (such as oil) or installed in a dry bore.

The included cable gland is intended to seal around the elastomer-filled cable and prevent or reduce oil seepage past the bearing housing.

Care should be taken to prevent the epoxy-potted end from being immersed in conductive liquids. The tip of the probe must be protected against mechanical danger. Installation within a bearing or other rigid bore completes the enclosure and provides sufficient protection from mechanical impact.

4. Special Conditions of Use

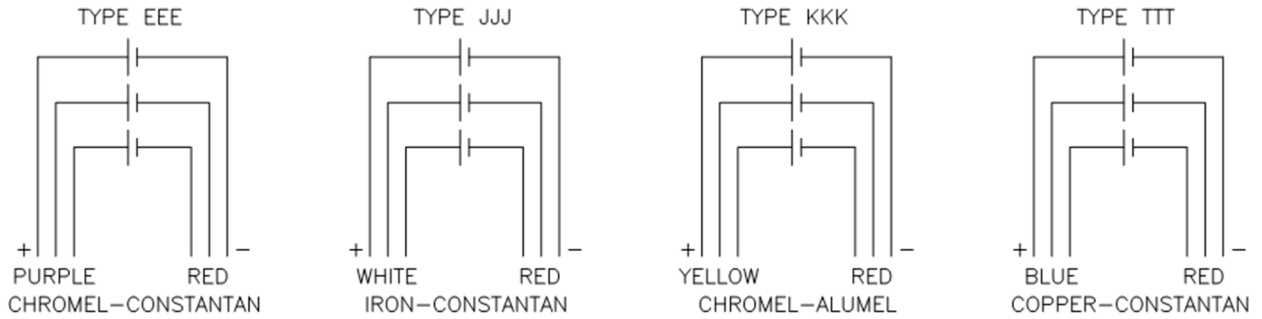
Maximum voltage: ≤ 30 V

5. Electrical Data

Maximum voltage: ≤ 30 V

6. Electrical Connections

SCHEMATIC DIAGRAMS



7. Marking Example

MINCO
Minneapolis, MN USA
Model: TC219485
Lot batch: 123456-**-001
⊕ Ex II 3 G Ex nA IIC Gc U