

Instructions: CH356, CH357, CH358 Flameproof Connection Heads

Ex II 2 G Ex db IIC Gb

IECEX Ex db IIC Gb

SPI 75-1087 Appendix B Rev. H (Doc. 1148913)

1. Warnings



Avertissement
Warnung
Advertencia

Follow these cautions.

- Do not open while energized.
- Do not open cover when explosive atmosphere is present.
- Minimum allowed temperature is -50°C (-58°F).
- Ne pas ouvrir sous tension.
- Ne pas ouvrir en presence d'atmosphère dangereuse.
- Température minimale autorisée: -50°C (-58°F).
- Deckel nicht unter Spannung öffnen.
- Deckel in explosiver Atmosphäre nicht öffnen.
- Tiefste zugelassene Temperatur: -50°C (-58°F).
- Peligro no lo abra bajo presión.
- No quite la tapa en la presencia de una atmósfera explosiva o inflamable.
- La temperatura mínima permitida es - 50°C (-58°F).

2. Attestation of Conformity

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

Connection Head Types: CH356, CH357 and CH358.

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 60079-1:2007* Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-0:2011 Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2007* Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

**NOTE: The harmonized standards EN 60079-1:2014 and IEC 60079-1:2014 have been compared to the standards used for certification purposes and no changes in the "state of the art" apply to the product.*

Certificate TRAC14ATEX0072U

Quality Assurance Notified Body: DEKRA Certification B.V. (0344)

Certificate IECEX TRC 14.0033U

Element Materials Technology Rotterdam BV (2812)

Voorerf 18, 4824 GN Breda, Netherlands

 29 May 2020

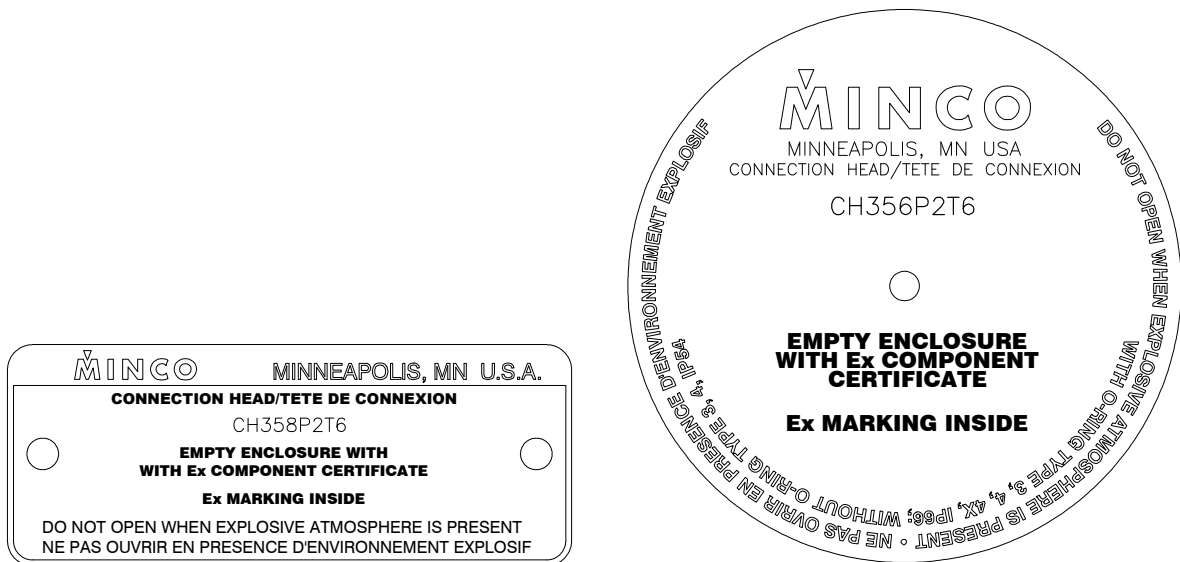
Rob Bohland, Ex Authorized Person

Minco Products, Inc

7300 Commerce Lane

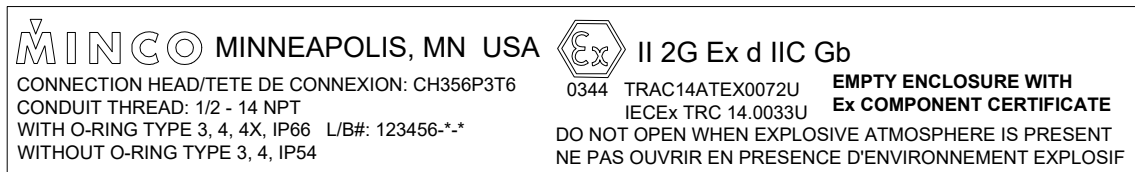
Minneapolis, MN 55432 USA

3. External Marking Examples



External marking may be removed to replace with marking for system.

4. Internal Marking Example



5. Note

Make connections between external wiring and resistance thermometers or thermocouples using connectors (terminals, wire nuts, or Minco temperature transmitter) when provided.

6. Schedule of Limitations

1. Rotating electrical machines or other devices which create turbulence shall not be incorporated.
2. Oil-filled circuit breakers and contactors shall not be used.
3. The enclosures are designed to be used in an ambient temperature range of -50°C to +60°C.
4. The content of the Ex component enclosure may be placed in any arrangement providing that an area of at least 40% of each cross-sectional area remains free to permit unimpeded gas flow and unrestricted development of an explosion. Separate relief areas may be aggregated provided that each area has a minimum dimension in any direction of 12.5mm.
5. Only suitably rated and approved Ex certified cable glands and blanking elements shall be used.
6. When evaluating the component enclosure as equipment, apply the requirements of EN/IEC 60079-1 Annex D.4.
7. The enclosures qualify for a T6 classification, for an upper ambient of +60°C, when the internal equipment fitted has a max power dissipation of 1.35W.