

CERTIFICATE

(1) EU-Type Examination

(2) **Component intended for use on/in equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 20ATEX0011 U** Issue Number: **2**

(4) Product: **RAYCHEM Low Profile Power Connection, Splice and End Seal Kits, types C-150-E, S-150 and E-150**

(5) Manufacturer: **nVent Thermal Belgium N.V.**

(6) Address: **Research Park Haasrode – Zone 2,
Romeinse Straat 14, 3001 Leuven, Belgium**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR20.0006/02.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN IEC 60079-7 : 2015 + A1 : 2018

EN 60079-31 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex eb IIC Gb
II 2 D Ex tb IIIC Db

Date of certification: 18 July 2023

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 20ATEX0011 U**

Issue No. 2

(15) **Description**

The Low Profile Power Connection, Splice and End Seal Kits, types C-150-E, S-150 and E-150 are intended for use with nVent RAYCHEM parallel Trace Heaters. The kits are certified as separate termination components for trace heaters in types of protection Ex eb or Ex tb, suitable for use underneath or outside of the thermal insulation of the heated workpiece.

For nomenclature, details of scope, electrical data and thermal data see Annex 1 to NL/DEK/ExTR20.0006/02.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR20.0006/02.

(17) **Schedule of Limitations**

The maximum surface temperature depends on the configuration of the Trace Heating system, determined in accordance with EN 60079-30-1.

The temperature at the power cable branching point, when connected in the Power Connection Kit type C-150-E, shall be considered in applications which expose the Power Connection Kit to temperatures higher than 70 °C for selecting a power cable with the appropriate temperature rating.

For details of temperature limitations see “thermal data” in Annex 1 to NL/DEK/ExTR20.0006/02.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR20.0006/02.

(20) **Certificate history**

Issue 0 - 223701800	Initial certificate, previously certified by PTB 09 ATEX 1068 U.
Issue 1 - 382921400	Add HTV trace heater option
Issue 2 - 383446400	Add XTVR trace heater option, remove HTV trace heater option