

EU - Type Examination Certificate

(1)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) EU - Type Examination Certificate Number

EPS 19 ATEX 1 216 X

Revision 0

(4) **Equipment:** Trace Heater Terminator Connection Kits comprising of Terminator Series ZT-C Terminator Thermostat / Power Kit.

(5) **Manufacturer:** Thermon Inc.

(6) **Address:** 100 Thermon Drive
San Marcos,
Texas 78666
USA

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 19TH0450.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-7:2015/A1:2018

EN 60079-1:2014

EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

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

 II2G Ex db eb IIC T5 Ta=-60°C to +50°C, T6 Ta=-60°C to +55°C, IP66
II2D Ex tb IIC T100°C Ta=-60°C to +50°C, T85°C Ta=-60°C to +55°C, IP66



Certification department of explosion protection

Hamburg, 2020-01-24



(13)

Annex

(14) **EU - Type Examination Certificate EPS 19 ATEX 1 216 X**

Revision 0

(15) Description of equipment:

ZT-C Terminator Thermostat / Power Kit.

The ZT-C Thermostat / Power kits are designed for use as an adjustable thermostat for trace heating freeze protection and temperature maintenance applications requiring pipewall or tankwall sensing. Electrical connections are made using terminal blocks. The ZT-C Terminator Kits can be pipe mounted or wall mounted.

Temperature data:

The ambient temperature range is $-60^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$ for the maximum 25 Ampere rating.

The ambient temperature range is $-60^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$ for the maximum 16 Ampere rating.
See the product specification sheet.

The maximum pipe temperature exposure is 250°C .

Ingress protection: The ZT-C kit provides a degree of protection IP66.

Temperature class: The ZT-C has a temperature class of T6 (85°C) up to $+55^{\circ}\text{C}$ ambient and T5 (100°C) up to $+50^{\circ}\text{C}$.

Electrical data:

Connection 1/2:
optional

AC max. 400V +10%, 16A
AC max. 230V +10%, 16(2,5)A, $\cos\phi=1(0,6)$
AC max. 230V +10%, 25(4)A, $\cos\phi=1(0,6)$
DC max. 230V +10%, 0,25A

Connection 1/4:
optional

AC max. 400V +10%, 6,3A
AC max. 230V +10%, 6,3(2,5)A, $\cos\phi=1(0,6)$
AC max. 230V +10%, 2(0,4)A, $\cos\phi=1(0,6)$
DC max. 230V +10%, 0,25A

Additional manufacturing location: Thermon Europe B.V.
Boezemweg 25
2641 KG Pijnacker
The Netherlands

(16) Reference number: 19TH0450

(17) Special conditions for safe use:

Consult the manufacturer for dimensional information on the flameproof joints for repair.

Avoid Electrostatic Charge. Clean only with a damp cloth.

T5 and T100°C for Switching Amperage of Thermostat limited to 25 Amps Maximum.

T6 and T85°C for Switching Amperage of Thermostat limited to 16 Amps Maximum.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Hamburg, 2020-01-24



H. Schaffer