

[1] **EU-Type-Examination Certificate**

[2] Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere – **Directive 2014/34/EU**



[3] **EU-Type-Examination Certificate**

PTZ 16 ATEX 0020 X

Rev. 0

[4] **Applicant:** Erich Ott GmbH & Co. KG

[5] **Address:** Rüdigerstrasse 15
D-65189 Wiesbaden
Germany

[6] **Equipment:** Temperature limiter Typ Ex TBK .../.. KAU and
Temperature controller Typ Ex TRK ... / ..KAU

[7] This Equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents referred to.


[8] Primara Test- und Zertifizier GmbH, Notified Body No. 2572 in accordance with the Council Directive, dated 26th February 2014 (2014/34/EG), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements related to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the directive. The examination and test results are recorded in the confidential report ZELM Ex 12613281086.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with to following standards:
EN 60079-0:2012+A11:2013 **EN 60079-1:2014** **EN 60079-18:2015**

[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, examination and tests of specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12] The marking of the equipment shall include the following:

 II 2 G Ex db mb II C T6 Gb

Kaufbeuren, 2017-04-04

Andreas Aufmuth
Certification body

Horst Haug
ATEX department

EU-type-examination Certificates without signation and stamp shall not be valid.
EU-type-examination Certificates may only be reproduced in entirety and without change.
Extracts or alternations are subject to the Primara Test- und Zertifizier- GmbH.
This document is internally administrated under no: 16PP344.

[13] Annex

[14] EU-Type-Examination Certificate PTZ 16 ATEX 0020 X

[15] Description of the equipment

The temperature limiter type Ex TBK.../. KAU and temperature controller type Ex TRK.../. KAU with capillary tube sensor consist of one pressure-resistant switching-element and are used for temperature-sensitive monitoring and controlling of connected load.

Functional safety is not subject of this EU-type-examination certificate.

The maximum allowable ambient temperature range is -40°C to $+60^{\circ}\text{C}$.

[16] Technical data:

Contact circuit: AC: $V_N \leq 400\text{V}$
 $I_N \leq 16\text{A}$
 $P_N \leq 4000\text{VA}$ or
 DC: $V_N \leq 250\text{V}$
 $I_N \leq 0,25\text{A}$

Ingress protection: IP 65

[17] Test report no.:

ZELM Ex 12613281086

[18] Special conditions:

1. The devices are intended to be installed in suitable housings in the type of protection „increased safety” with separate EU-type-examination certificate.
2. The used cable bushings for the power supply and the capillary have to provide a separate EU-type-examination certificate.
3. The determination of the temperature class and the maximum ambient temperature has to be defined by the manufacturer by thermal routine tests, considering self-heating in the appropriate enclosure. The ambient temperature mentioned under [15] relate to the temperature limiter and temperature controller, only. Depending on the mounting in the final enclosure and the thermal routine test, the max. ambient temperature has to be noted on the type label.
4. The devices may be used as a part of a controller with separate EU-type-examination certificate. Deviating from the special conditions mentioned in 3., the determination of the temperature class and allowable ambient temperature range has to be made by the manufacturer according to the determinations made in the associated EU-type-examination certificate. However, the values given in [15] for the maximum allowable ambient temperature range shall never be exceeded.

[19] Essential Health and Safety Requirements:

Covered by the standards.