

[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 0022 X**

Rev. 0

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

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

[6] **Equipment:** Radiator Typ Ex HKA .../100AT... und Ex HKA .../100AT..4

[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 11913281088.

[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 60079-7:2015**  
**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 eb mb db IIC T3 bzw. T4

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 16PP346.

**[13] Annex**

**[14] EU-Type-Examination Certificate PTZ 16 ATEX 0022 X**

**[15] Description of the equipment:**

The radiator is intended to heat cabinets, especially instrument protection cabinets, and is allowed to be used with an equivalent external protection, only. The radiator consists of a temperature monitor and optional of an internal temperature limiter. The temperature monitors for controlling can be of different types. The place holders (...) in the type name can be alphanumeric letters and numbers indicating power, type of temperature controller, type of temperature monitor or limiter, connection cable and Teflon surface. The temperature class is usually T3. The version with temperature class T4 has the type name Ex HKA.../100AT..4. The corresponding specific type name is written on the type label.

One function of the equipment is the monitoring of the limiter. This allows the implementation of a fault indication signal. In this version of the equipment, a parallel output of not more than 50mA is provided. The optional relay for this output is not part of the certified equipment. The coil voltage for the relay is 230V.

**[16] Technical data:**

|                       |                |
|-----------------------|----------------|
| Main circuit:         |                |
| Series voltage        | ≤ 252VAC       |
| Max. power            | 370W           |
| Ingress protection    | IP 65          |
| Switching temperature | 100°C          |
| Hysteresis            | ≤ ±7K          |
| Limiter               | 112°C          |
| Ambient temperature   | -55°C to +80°C |
| Line fuse             | ≤ 16A          |

|                  |        |
|------------------|--------|
| Control circuit: |        |
| Nom. Voltage     | 230VAC |
| Nom. Current     | 6A     |

**[17] Test report no.:**

ZELM Ex 11913281088

**[18] Special conditions:**

1. The operating instructions shall be followed.
2. The use of the radiator is only allowed with a suitable temperature control system which ensures a maximum ambient temperature of +80°C during normal operation. A loss of phase in case of a three phase power system has to be taken into account.
3. The radiator shall only be installed in a way, that avoids the possibility of overheating.
4. An overcurrent protection has to be installed to each heating system. Also earth-faults have to be protected.

**[19] Essential Health and Safety Requirements:**

Covered by the standards.