



## (1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in  
Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

**PTB 98 ATEX 1021 U**

(4) Component: Terminal- resp. connection system type JBM-100-E.

(5) Manufacturer: Raychem GmbH

(6) Address: Grazer Straße 24-28, D-63073 Offenbach

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component 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 to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 98-18038.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014:1997** **EN 50019:1994**

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

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

**II 2 G EEx e II**

Zertifizierungsstelle Explosionsschutz  
By order:

Braunschweig, 28.05.1998

Dr.-Ing. U. Klaus  
Oberregierungsrat

(13)

## SCHEDULE

(14) **EC-TYPE-EXAMINATION CERTIFICATE No. PTB 98 ATEX 1021 U**

(15) Description of component

Terminal- resp. connection system of type JBM-100-E  
for heat tracing systems manufactured by Raychem, type series BTV, QTVR, XTV and KTV.

Technical data

Rated voltage 254 V  
permissible ambient temperature -40 ... +40 °C

(16) Report PTB Ex 98-18038

(17) Special conditions for safe use

not applicable

(18) Essential health and safety requirements

Fulfilled by compliance with the above mentioned standards.

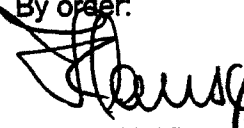
Notes for installation

1. The terminal- resp. connection system of the type JBM-100-E is used as an Ex-component for the installation of complete heat tracing systems of the type series mentioned above.
2. For proper installation the mounting instruction JBM-100-E of Raychem GmbH enclosed with each connection system shall be taken into account.

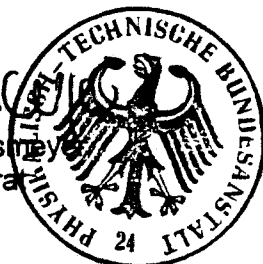
Zertifizierungsstelle Explosionsschutz

Braunschweig, 28.05.1998

By order:



Dr.-Ing. U. Klausmey  
Oberregierungsrat



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