



## (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 03 ATEX 1011 U**

(4) Component: Empty enclosure, type KEL 92XX.YYY

(5) Manufacturer: Rittal GmbH & Co. KG

(6) Address: Auf dem Stützelberg, 35745 Herborn, Germany

(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 03-13003.

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

**EN 50014:1997 + A1 + A2**

**EN 50019:2000**

(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, examination and tests of the specified component in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

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

**II 2 G EEx e II**

Zertifizierungsstelle Explosionsschutz

Braunschweig, March 26, 2003

By order:

Dipl.-Phys. U. Völkel



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EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

## (13) SCHEDULE

### (14) EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1011 U

#### (15) Description of component

Empty enclosure, type KEL 92XX.YYY, made from polyester.

#### Technical data

Sizes:		Length	Width	Depth
	Smallest	200 mm	300 mm	150 mm
	Largest	800 mm	1000 mm	300 mm

Ambient temperature range: -20°C to +80 °C

Shock protection, protection against solid bodies,  
and protection against ingress of water: IP54 according to EN 60529 as a minimum

#### (16) Test report PTB Ex 03-13003

#### (17) Special conditions for safe use

None

#### Notes for manufacturing and operation

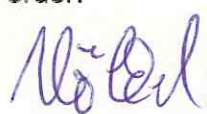
The EC-type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements for Component Certificate PTB No. Ex-92.C.3132 U.

#### (18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the empty enclosure, type KEL 92XX.YYY, meets the requirements of directive 94/9/EC as well as those of the standards specified on the cover sheet.

Zertifizierungsstelle Explosionsschutz

By order:

  
Dipl.-Phys. U. Völkel



Braunschweig, March 26, 2003

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## 1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

### to EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1011 U

(Translation)

Equipment: Empty enclosure, type KEL 92XX.YYY

Marking:  II 2 G EEx e II

Manufacturer: Rittal GmbH & Co. KG

Address: Auf dem Stützelberg , 35745 Herborn, Germany

#### Description of supplements and modifications

The empty enclosure, type KEL 92XX.YYY, is modified in the following respects:

- 1) The empty enclosure may also be employed in areas in which a potentially explosive atmosphere as a mixture of dust and air can occasionally form.
- 2) The empty enclosure has been re-examined on the basis of standards EN 60079-0 and EN 60079-7.
- 3) The range of ambient temperatures is extended to -30 °C ... +80 °C for enclosures with a silicone gasket.
- 4) An additional polyester material (Menzolit SMC 2600) can be used.
- 5) The marking will now be:

 II 2 G Ex e II

 II 2 D Ex tD A21 IP66

#### Technical data

Overall sizes:	Length	Width	Depth
Smallest	200 mm	300 mm	150 mm
Largest	800 mm	1000 mm	300 mm

Ambient temperatures: -30 °C to +80 °C (with silicone gasket)  
-20 °C to +80 °C (other gaskets)

Shock protection, protection against solid bodies,  
and protection against ingress of water.

IP66 in accordance with EN 60529

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Applied standards

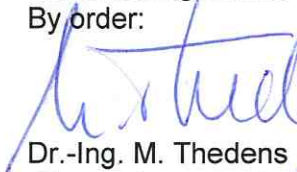
EN 60079-0:2006    EN 60079-7:2007    EN 61241-0:2006    EN 61241-1:2004

Assessment and test report: PTB Ex 10-19289

Zertifizierungssektor Explosionsschutz

Braunschweig, March 16, 2010

By order:



Dr.-Ing. M. Thedens  
Oberregierungsrat



## 2<sup>nd</sup> SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1011 U

(Translation)

Equipment: Empty enclosure, type KEL 92XX.YYY

Marking:  II 2 G Ex e II  
 II 2 D Ex tD A21 IP66

Manufacturer: Rittal GmbH & Co. KG

Address: Auf dem Stützelberg , 35745 Herborn, Germany

### Description of supplements and modifications

The empty enclosure, type KEL 92XX.YYY has been re-examined on the basis of standards EN 60079-0 and EN 60079-31. The marking therefore changes to:

 II 2 G Ex e IIC Gb or Ex eb IIC

 II 2 D Ex tb IIC Db IP66 or Ex tb IIC IP66

### Technical data

Sizes:	length	width	depth
min.	200 mm	300 mm	150 mm
max.	800 mm	1000 mm	300 mm

Ambient temperature:.....-30 °C to +80 °C (with silicone gasket)

Protection against contact,  
foreign bodies and water:.....IP66 according to EN 60529

### Applied standards

EN 60079-0:2009, EN 60079-7:2007, EN 60079-31:2009

Assessment and test report: PTB Ex 11-11037

Zertifizierungssektor Explosionsschutz  
On behalf of PTB:

Braunschweig, April 20, 2011

  
Dipl.-Phys. U. Völkel  


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