



(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 02 ATEX 1082 U

(4) Component: Empty housing, type KEL 94XX.YYY

(5) Manufacturer: Rittal-Werk, Rudolf Loh 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 02-12235.

(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, January 13, 2003

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



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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 02 ATEX 1082 U**

(15) Description of component

Empty housing, type KEL 94XX.YYY, made from high-grade steel.

Technical data

Sizes:		Length	Height	Depth
	smallest	200 mm	300 mm	155 mm
	largest	1300 mm	1200 mm	300 mm

Ambient temperature range: -20°C to +40 °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 02-12235

(17) Special conditions for safe use

None

Notes for manufacturing and operation

This 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.3106 U.

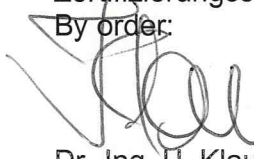
(18) Essential health and safety requirements

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

Zertifizierungsstelle Explosionsschutz

Braunschweig, January 13, 2003

By order:


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1082 U

(Translation)

Equipment: Empty enclosure, type KEL 94XX.YYY

Marking:  II 2 G EEx e II

Manufacturer: Rittal-Werk, Rudolf Loh GmbH & Co. KG

Address: Auf dem Stützelberg , 35745 Herborn, Germany

Description of supplements and modifications

The empty enclosure, type KEL 94XX.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) 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	120 mm
	Largest	1300 mm	1200 mm	300 mm

Ambient temperatures: -30 °C to +80 °C (with silicone gasket)
-20 °C to +40 °C (other gaskets)

Shock protection, protection against solid bodies,
and protection against ingress of water. IP66 in accordance with EN 60529

Applied standards

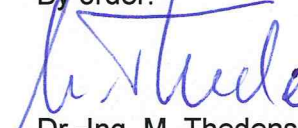
EN 60079-0:2006 EN 60079-7:2007 EN 61241-0:2006 EN 61241-1:2004

Assessment and test report: PTB Ex 09-19089

Zertifizierungssektor Explosionsschutz

Braunschweig, August 27, 2009

By order:


Dr.-Ing. M. Thedens
Oberregierungsrat



2nd SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1082 U

(Translation)

Equipment: Empty enclosure, type KEL 94XX.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 94XX.YYY can optionally be provided with one or more flange plates on the enclosure sides.

The empty enclosure has been re-examined on the basis of standards EN 60079-0:2009, EN 60079-7:2007 and 60079-31:2009. The marking will now be:

II 2 G Ex e IIC Gb or II 2 G Ex eb IIC
 II 2 D Ex tb IIIC Db IP66 or II 2 D Ex tb IIIC IP66

Technical data:

Overall sizes:	Smallest	Length 200 mm	Width 300 mm	Depth 120 mm
	Largest	1300 mm	1200 mm	300 mm

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

Shock protection, protection against solid bodies, and protection against ingress of water. IP66 in accordance with EN 60529

Applied standards

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

Assessment and test report: PTB Ex 10-19307

Zertifizierungssektor Explosionsschutz

Braunschweig, July 6, 2010

By order:

Dipl.-Phys. U. Völkel



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3rd SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1082 U

(Translation)

Equipment: Empty enclosure type KEL 94XX.YYY

Marking:  II 2 G Ex e IIC Gb or Ex e b IIC
 II 2 D Ex tb IIIC Db IP66 or Ex tb IIIC IP66

Manufacturer: Rittal GmbH & Co. KG

Address: Auf dem Stützelberg , 35745 Herborn, Germany

Description of supplements and modifications

The empty enclosure type KEL 94XX.YYY can optionally be provided with the gasket type Silikon 2.

Technical data

Sizes:	length	width	depth
minimum	200 mm	300 mm	120 mm
maximum	1300 mm	1200 mm	300 mm

Ambient temperature range: - 30 °C up to +80 °C (with Silicone gasket)

Protection against solid foreign objects,
water and contact: IP66 according to EN 60529

Applied standards

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

Test report: PTB Ex 12-12193

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, August 28, 2012

Dr.-Ing. U. Klausmeyer
Direktor und Professor



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