

(1) Conformity Statement

ZELM ex

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

ZELM 09 ATEX 3397 X

- (4) Equipment: **Electrical cabinet cooling unit TopTherm SK 3303.130 and SK 3303.530**
- (5) Manufacturer: **Rittal GmbH & Co. KG**
- (6) Address: **Auf dem Stützelberg, D-35745 Herborn**
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate.
- (8) The Prüf- und Zertifizierungsstelle ZELM Ex, notified body No. 0820 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 ZELM Ex 1480811773

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

EN 61241-0:2006

EN 61241-1:2004

EN 61241-18:2004

- (10) If the sign "X" is placed after the certificate number then it refers to the equipment being subjected to special conditions for safe use specified in the schedule to this certificate.
- (11) This Conformity Statement relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. This Certificate does not cover these.
- (12) The marking of the equipment shall include the following:



II 3D Ex mbD tD A22 IP54 T115°C

Braunschweig, April 16th, 2010

ZELM ex

**Zertifizierungs-
stelle**

**Zertifizierungsstelle ZELM ex
Dipl.-Ing. Harald Zelm**



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Siekgraben 56 · D-38124 Braunschweig

(13)

Schedule

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(14)

Conformity Statement ZELM 09 ATEX 3397 X

(15) Description of Equipment

The electrical cabinet cooling unit of type TopTherm SK 3303.130 and SK 3303.530 is used for the cooling of electrical cabinets. The device has of an internal and an external circuit. The external circuit is in contact with zone 22; the internal circuit is in closed contact to the electrical cabinet and is connect via a system of seals to it. The various types differ in the use of different controllers, which allows a visualization of the status data and there setting. It is designated for an intended use in rarely with flammable dusts contaminated atmosphere.

General technical data

SK 3303.130 and SK 3303.530

Nominal voltage:	230 V, 50/60 Hz
rated current:	2.6 A resp. 2.6 A
starting current:	5.1 A resp. 6.4 A

The permitted ambient temperature range is +20°C to +55°C.

(16) Test Report No.

ZELM Ex 1480811773

(17) Special Requirements

1. The equipment has to be kept from influence of UV radiation. Seal material is not resistant to UV radiation.
2. The seals have to be inspected in proper intervals.
3. The external circuit has to be kept from impermissible dust deposit. It must be pointed out that the filter of the outer closed loop is not designed for intense dust exposure.
4. The instruction manual has to be considered.
5. The device has to be cleaned only with a wettish fabric or the like. There is the risk of electrostatic charge.
6. The use of this device in atmospheres containing combustible, conductive dust is impermissible.

(18) Essential Health and Safety Requirements

Fulfilled by Standards

Braunschweig, April 16th, 2010

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