

[1] EU – TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **EXA 17 ATEX 0063** Issue: **1**

[4] Product: **Terminal box**

Type: **RK 01/...**

[5] Manufacturer: **TEP Ex Ltd**

[6] Address: **Medarska 69, 10090 Zagreb, Croatia**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] Ex-Agencija, Notified Body number 2465 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No.: **EXA 17CR067**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013

EN 60079-7:2015

EN 60079-11:2012

EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:



II 2G Ex eb IIC T6 Gb
II 2G Ex ia/ib IIC T6 Gb

II 2D Ex tb IIIC T80 °C Db

Date: **18.07.2017.**

PB.17.TC.240/DK



Ex-Agencija
Department of equipment certification
Approved by:

Stipo Đerek, dipl.ing.el.

[13]

SCHEDULE

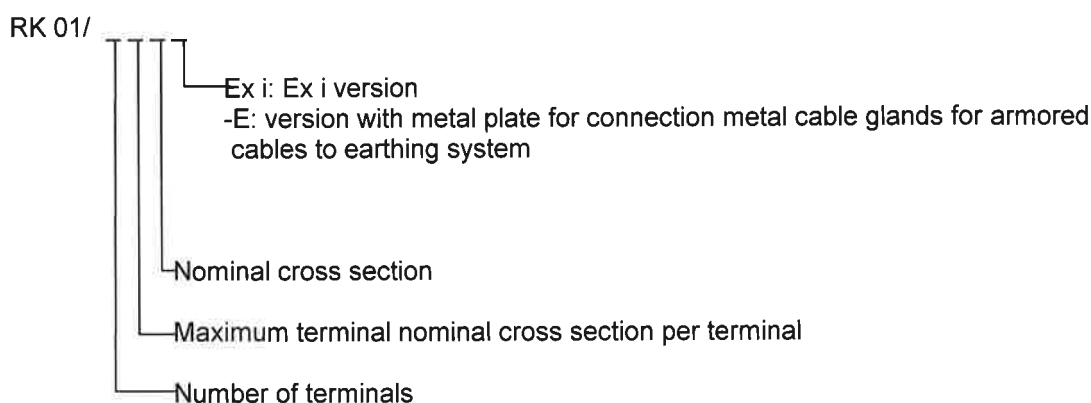
[14] **EU - TYPE EXAMINATION CERTIFICATE No.: EXA 17 ATEX 0063**

[15] **Description of product**

Terminal boxes type RK 01/... consist of empty enclosures made in polyamide and are used for conductor connection up to 6 mm². Gasket between cover and enclosure is used to ensure degree of protection IP66.

The terminal boxes are provided with 6 holes for cable entries where can be mounted cable glands and/or stopping plugs suitable for Ex eb / Ex tb type of protection.

The terminal boxes type RK 01/... and their characteristics, are identified by the following code:



Number of terminals inside of terminal box and permitted currents are in the following tables:

Type of terminal box	Number of terminal and cross section	Terminals	Rated Voltage [V]	Rated current [A]			
				T _{amax} 40°C	T _{amax} 50°C	T _{amax} 55°C	T _{amax} 70°C
RK 01/514	5 - 1 x 4 mm ²	Connectwell Industries CTS4UN (DEMKO 11 ATEX 0956504U)	630	20	16	13	-
RK 01/514-2	5 - 1 x 4 mm ²	Connectwell Industries CMC1-2 (DEMKO 11 ATEX 0956504U)	630	20	16	13	-
RK 01/516	5 - 1 x 6 mm ²	Connectwell Industries CTS6UN (DEMKO 11 ATEX 0956504U)	630	25	20	16	-
RK 01/514 Ex i	5 - 1 x 4 mm ²	Connectwell Industries CTS4UN (DEMKO 11 ATEX 0956504U)	60	*1	*1	*1	*1
RK 01/544	5 - 4 x 4 mm ²	TEPEX MT 45	630	22	18	14	-
RK 01/544-E	5 - 4 x 4 mm ²	TEPEX MT 45	630	22	18	14	-
RK 01/744	7 - 4 x 4 mm ²	TEPEX MT 47	630	22	18	14	-

* Value of current for Ex i version is related to intrinsically safe circuits protected by associated apparatus.

IP protection: IP 66 (category 1)

Ambient temperature: -20°C to +40°C / +50°C / +55°C

-40°C to +40°C / +50°C / +55°C

-40°C to +70°C for Ex i

Details of the electrical characteristics and size and position of the cable entries are specified in the user manual.

Warning label:

"Warning: do not open when energized"

[16] Confidential Report No. EXA 17CR067

[16.1] Routine testing

None

[17] Specific Conditions of Use

None

[18] Essential Health and Safety Requirements

Covered by the standards listed at item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of explosion proof terminal box type RK 01 / ...	-	-	20.04.2017.
Drawing of terminal box RK 01 / ...	T20.00.01.00-1	-	20.04.2017.
Drawing of terminal box RK 01 / 544 E	T20.00.01.00-2	-	20.04.2017.
Drawing of terminal box RK 01 / ...	T20.00.01.00-3	-	20.04.2017.
Drawing of terminals MT	T20.00.01.00-4	-	20.04.2017.
Description of certification drawings T20.00.01.00-1, T20.00.01.00-2, T20.00.01.00-3 and T20.00.01.00-4 of terminal box RK 01 / ...	-	-	20.04.2017.
Instructions for use of terminal box RK/...	TEPEX.RS.029	3	04.2017.