



[1] **SUPPLEMENTARY EU – TYPE EXAMINATION CERTIFICATE**

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

[3] Supplementary EU-Type Examination Certificate Number: **FIDI 19 ATEX 0002X/1**

[4] Product: **Terminal box**

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

[5] Manufacturer: **TEPEX d.o.o.**

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

[7] This supplementary certificate extends EU – Type Examination Certificate to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule to this certificate and the documents therein referred to.

[8] FIDITAS Ltd., Notified Body number 2829 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.

[9] The examination and test results are recorded in confidential Report No: **FIDI 22 CR 012**

[10] 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 1G Ex ia IIC T6 Ga

II 2D Ex tb IIIC T80 °C Db

Our ref.: 22.CRT.031

Date: 01.07.2022.



FIDITAS Ltd.
Certification department
Approved:

Marino Kelava, M.E.Eng.



[11] **SCHEDULE**

[12] **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE No.:
FIDI 19 ATEX 0002X/1**

[13] **Description of the variation to the Product**

The extension includes:

- new types of terminal boxes according to the table below,
- change of Tamin from -20 °C to -30 °C in versions with built-in cable glands type: SPU 25, manufactured by TEPEX d.o.o., FIDI 19 ATEX 0003X, II 2G Ex eb IIC Gb; II 2D Ex tb IIIC Db, and
- extension of the certificate to Ex protection: II 1G Ex ia IIC T6 Ga for versions type 'RK 01/1014-Ex i' and 'RK 01/514 Ex i'.

The number of terminals inside the terminal box and the permitted current of the new versions are given in the following table:

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 01/1014	10 – 1x4mm ²	Connectwel Industries CTS4UN, CGT6N	630	-	-	10	-
RK 01/1014-Ex i	10 – 1x4mm ²	Connectwel Industries CTS4UNBU	630	-	-	-	1*
RK 01/744-E	7 – 4x4mm 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.

Technical data:

Ambient temperature: -40°C / -30°C ≤ Ta ≤ +40°C / +50°C / +55°C
-40°C / -30°C ≤ Ta ≤ +40°C / +50°C / +55°C / +70°C for "Ex i"

[14] **Confidential Report No.** FIDI 22 CR 012

[14.1] **Routine testing**

None

[15] **Specific Conditions of Use**

None additional to those listed previously



[16] Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

[17] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of explosion proof terminal box type RK 01 / ...	-	-	30.06.2022.
Drawing of terminal box RK 01/514, RK 01/514-2, RK 01/514 Ex i, RK 01/516, RK 01/544, RK 01/744	T20.00.01.00-1	-	30.06.2022.
Drawing of terminal box RK 01 / 544 E	T20.00.01.00-2	-	30.06.2022.
Drawing of terminal box RK 01/514, RK 01/514-2, RK 01/514 Ex i, RK 01/516, RK 01/544, RK 01/744, RK 01 / 544 E, RK 01 / 744 E	T20.00.01.00-3	-	30.06.2022.
Drawing of terminals MT 45, MT 47	T20.00.01.00-4	-	30.06.2022.
Drawing of terminal box RK 01/1014, RK 01/1014 Ex i	T20.00.01.00-5	-	30.06.2022.
Description of certification drawing T20.00.01.00-1, T20.00.01.00-2, T20.00.01.00-3, T20.00.01.00-4 and T20.00.01.00-5 of terminal box RK 01 / ...	-	-	30.06.2022.
Instructions for use of terminal box RK/...	TEPEX.RS.029	6	30.06.2022.