



(1) **Supplementary EU - Type Examination Certificate No.5**

(2) **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 10 ATEX 0071U

(4) Product: **Terminal blocks types: AVK ***

(5) Manufacturer: **Klemsan Elektrik Elektronik San ve Tic. A.Ş.**

(6) Address: **Kızılızüm Mah.Kızılızüm Cad.No:15; 35730- Kemalpaşa; İZMİR; Turkey**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 10 ATEX 0071U to apply to products 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 attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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 to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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

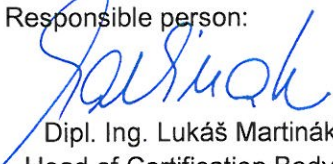
EN IEC 60079-0:2018; EN 60079-7:2015

(11) The marking of the product shall include the following:

 **II 2G Ex eb IIC Gb**

(12) This certificate is valid till: **31.05.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 04.05.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 10 ATEX 0071U**

(15) Description of the variation to the Ex-component:

The subject of this supplementary certificate is:

- Evaluation according to the new editions of the standard: EN IEC 60079-0:2018.
- Prolongation of certificate validity.
- Extension of the type series by terminal blocks type AVK * NM. Service temperature of terminals blocks type AVK * NM is from -60°C to +100°C. Technical parameters and construction of terminals blocks type AVK * NM are identical as terminal blocks type AVK*, isolating material of terminal block type AVK * NM is made from different material.
- Extension of the type series by terminal blocks type AVK 6 TK NM.

Technical parameters and construction of the component type AVK * remain unchanged.

Technical parameters of terminals blocks:

Terminal blocks type	Max rated voltage [V]	Max current in case of max cross-section [A]	Cross-section of conductors [mm ²] solid / stranded
AVK 2.5 / AVK 2.5 NM	630	20	0.5-2.5
AVK 4 / AVK 4 NM	630	27	0.5-4
AVK 6 / AVK 6 NM	630	36	0.5-6
AVK 10 / AVK 10 NM	630	50	1.5-10
AVK 16	630	63	2.5-16
AVK 35	630	106	10-35
AVK 50	800	133	16-50
AVK 70	750	156	16-70
AVK 95	1000	193	35-95
AVK 150	1000	249	50-150
AVK 240	1000	337	70-240
AVK 2.5 RD / AVK 2.5 RD NM	630	20	0,5-2,5
AVK 4 RD / AVK 4 RD NM	630	25	0.5-4
AVK 16 RD / AVK 16 RD NM	630	67	1.5-16
AVK 35 RD	630	111	1.5-35
AVK 4 C	500	26	0.5-4
AVK 2.5 CC	630	21	0.5-2.5

- The range also includes earth terminals type: AVK 4T; AVK 10T; AVK 35T; AVK 50T; AVK 2.5T RD; AVK 2.5T RD NM; AVK 4T RD; AVK 4T RD NM; AVK 16T RD; AVK 16T RD NM; AVK 35T RD; AVK 2.5 CCT; AVK 6 TK NM.
- An earth terminals currents bars are electrically interconnected with rail.
- Temperature rises in case of max. current and nominal cross section did not exceed 40K.

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(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 10 ATEX 0071U**

(16) Report Number.: 10/0071/5 dated 04.05.2020

(17) Schedule of Limitations:

1. Allowed service temperature range is:
Terminal blocks type AVK * from -60 °C to +85 °C.
Terminal blocks type AVK * NM from -60°C to +100°C.
2. See Instruction Manual No. Ex-0071-UM 01.

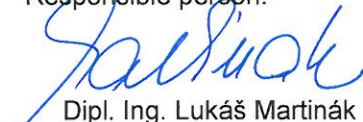
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Issue	Date	Description
Ex-0071-UM 01	00	06.04.2020	Manual
CofC.300420-1	00	30.04.2020	Description
Ex-KLM-TDS-71U/12U	-	28.04.2020	Table
Ex_06032020_01	00	06.03.2020	Drawing
Ex_06032020_02	00	06.03.2020	Drawing
0.1.0.0.341020	00	01.05.2018	Drawing
2.1.0.5.004352	00	01.05.2018	Drawing
2.3.3.1.001212	00	04.04.2018	Drawing
2.4.4.2.007214	00	01.05.2018	Drawing
2.7.3.1.004912	00	01.05.2018	Drawing
2.7.4.2.001514	00	01.05.2018	Drawing
2.7.4.2.002313	00	01.05.2018	Drawing
3.0.3.1.000512	00	23.01.2018	Drawing
3.0.3.4.000414	00	01.05.2018	Drawing
5.1.1.0.006414	00	01.05.2018	Drawing

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