



(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 09 ATEX 0252U

(4) Product: **Terminal blocks types: MVK*; PIK*; PYK*; PUK***

(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 09 ATEX 0252U 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 60079-7:2017 + A1:2018

The sign „U“ is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

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

 **II 2G Ex eb IIC Gb**

(12) This certificate is valid till: **31.01.2026**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.01.2021

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 09 ATEX 0252U**

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

The subject of this supplementary certificate is:

- Evaluation according to the new edition of the standard: EN IEC 60079-0:2018.
- Prolongation of certificate validity.
- Extension of the type series by terminal blocks type PIK 2,5N NM, PIK 4N NM, PUK 2T NM, PUK 3T NM and PUK 3 NM. Service temperature of terminals blocks type PIK * NM and PUK * NM is from -60°C to +100°C. Technical parameters and construction of terminals blocks type PIK 2,5N NM, PIK 4N NM, PUK 2T NM, PUK 3T NM and PUK 3 NM are identical as terminal blocks type PIK 2,5N, PIK 4N, PUK 2T, PUK 3T and PUK 3, isolating material of terminal block type * NM is made from different material.
- Extension of the type series by terminal blocks type PIK 4RD NM and PIK 2.5RD NM. Service temperature of terminals blocks type PIK 4RD NM and PIK 2.5RD NM is from -60°C to +100°C.
- Modification of the terminals blocks rated voltages, see table below.

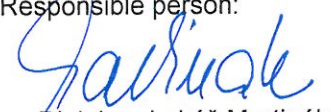
Technical parameters and construction of the components excepting above described modifications remain unchanged.

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
MVK 2.5	400	20	0,5 - 2,5
MVK 4	400	28	0,5 - 4
PYK 2.5	800	21	0,5 - 2,5
PYK 4	800	28	0,5 - 4
PYK 2,5-2F	400	18	0,5 - 2,5
PYK 2,5-2FT	400	18	0,5 - 2,5
PYK 4-2F	500	28	0,5 - 4
PYK 4E	800	26	0,5 - 4
PIK 2,5N / PIK 2,5N NM	400	19	0,5 - 2,5
PIK 4N / PIK 4N NM	400	26	0,5 - 4
PUK 2T / PUK 2T NM	400	21	0,5 - 2,5
PUK 3T / PUK 3T NM	400	21	0,5 - 2,5
PUK 3 / PUK 3 NM	400	21	0,5 - 2,5
PIK 2,5RD NM	400	19	0,5 - 2,5
PIK 4RD NM	400	26	0,5 - 4

- The range also includes earth terminals type: MVK 2.5T, MVK 4T, PYK 2,5T, PYK 4T, PYK 2,5-2FT, PUK 2T / PUK 2T NM, PUK 3T / PUK 3T NM
- An earth terminals currents bars are electrically interconnected with rail.
- Temperature rises in case of maximal current and maximal cross section did not exceed 40K.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 09 ATEX 0252U**

(16) Report Number: 09/252/5 dated 28.01.2021

(17) Schedule of Limitations:

1. Allowed service temperature range is:
Terminal blocks type MVK*; PIK*; PYK*; PUK* from -60 °C to +85 °C.
Terminal blocks type PIK* NM; PUK*NM from -60°C to +100°C.
2. See Instruction Manual No. Ex-0252-UM 01.

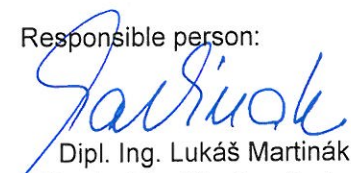
(18) Essential Health and Safety Requirements:

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	Revision	Date	Description
Ex-0252-UM 01	02	02.07.2020	Manual
CofC.290620-1	01	02.07.2020	Description
Ex-KLM-TDS-252U/11U	-	25.01.2021	Table
Ex_20052020_01	01	06.03.2020	Drawing
Ex_20052020_02	01	06.03.2020	Drawing
Ex_20052020_03	01	06.03.2020	Drawing
0.1.0.0.309449	00	04.06.2018	Drawing
2.3.3.1.001112	00	04.04.2018	Drawing
3.0.3.1.000212	00	16.02.2018	Drawing
2.4.5.1.007612	00	03.05.2018	Drawing
2.4.4.2.008214	00	08.05.2018	Drawing
2.1.0.5.010459	00	04.06.2018	Drawing
0.1.0.0.309429	00	04.06.2018	Drawing
2.4.5.1.007512	00	03.05.2018	Drawing
3.0.3.1.001612	00	26.01.2018	Drawing
2.3.3.1.000712	00	26.01.2018	Drawing
2.4.4.2.008114	00	08.05.2018	Drawing
2.1.0.5.010359	00	04.06.2018	Drawing
0.1.0.0.463180	00	07.08.2018	Drawing

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