

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] Equipment or protective system intended for use in potentially explosive atmospheres – Directive 2014/34/EU

[3] EU-type examination certificate Number: **CETS 23 ATEX 021 U** Issue:0

[4] Product: **TERMINAL BLOCKS TYPE SRD**

[5] Manufacturer: **KLEMSAN ELEKTRIK ELEKTRONIK SANAYI VE TICARET A.S.**

[6] Address: **Kiziluzum mah, Kiziluzum cad. № 15, Kemalpasa, Izmir; Turkey**

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

[8] The Certification body SIA «CE-Test», notified body number 2861 in accordance with Article 17 of the Directive 2014/34/EU of 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 to the Directive.


The examination and test results are recorded in confidential Evaluation report number 021/2023 from 07.04.2023.

[9] Compliance with Essential Health and Safety Requirements has been assured by compliance with: EN IEC 60079-0:2018, EN 60079-7: 2015/A1:2018.

[10] If the sign «X» is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following

 II 2G Ex eb IIC Gb this marking is valid for feed through, protective conductor types
or
II 3G Ex ec IIC Gc this marking is valid for fuse type terminals and the terminal blocks with diode or led resistor

Date of certification: 07.04.2023

Responsible person: *Inga Pavel Horunzija*

Head of certification body





[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE: **CETS 23 ATEX 021 U** Issue: 0

[15] Description of Product

Terminal blocks are components and systems the main function of which is to ensure safe and secure electrical and mechanical conductor connections. Terminal blocks are used be in distribution boards, control centers or machine control systems, in ships, power stations or railway Rolling stock, terminal blocks guarantee safe connections in electrical applications..

Types of terminal bloks

<u>SRD</u>	X	X	X	3	5
a b c	d	e	f	g	h

position	explanation	possible values
a, b, c	MODEL CODE	SRD
d	Nominal cross-section	1,5 - 2,5 - 4 - 6 -10 -16
e	Type suffix code	2F, F, 2, FK, E, C, EA, A, CA, CD, CLD, S, FD, FLD, F2LD, K, 3F, 3, 3K, MC, ME, ED, AD AK, AF, FA, Cx2, FN, SLD, FS
f	Grounding	- /T

Table 1 - Technical characteristics of terminal blocks type SRD .

Name of indicator, unit of measurement	Value				
RATED CROSS SECTION, mm ²	1.5;	2.5;	4.0;	6.0;	10
RATED CONNECTION CAPACITY, mm ²	0.08 – 1.5	0.08 – 4.0	0.5-6	0.5-10	0.5-16
MATERIAL GROUP	I				
RATED CURRENT VALUE (A)	17,5	24	41	57	76
RATED CREEPAGE DISTANCE mm ²	model dependent	model dependent	model dependent	model dependent	model dependent
RATED CLEARANCE DISTANCE mm ²	model dependent	model dependent	model dependent	model dependent	model dependent
RATED VOLTAGE (V)	630	630	630	800	800
The degree of protection of the shell in accordance with IEC 60529:2013	IP20				
Ambient temperature range, °C	from - 60°C to + 130°C				

[16] Test Report

The examination and test results are recorded in confidential Evaluation Report number 021/2023 from 07.04.2023

[17] Specific conditions of use

none.

[18] Essential health and safety requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9. Additional information: None.

Certificate without signature are void. This certificate may only be reproduced in its entirety and without any change, schedule included.



[19] Drawings and Documents

The documents are listed in the Evaluation report number 021/2023 from 07.04.2023

Title Technical Documents	Decimal number	Date
Drawings TERMINAL BLOCK	Ex_16022023_1	31.01.2023
Drawings TERMINAL BLOCK	Ex_14022023_01	31.01.2023
Drawings TERMINAL BLOCK	Ex_14022023_01	31.01.2023
USERS MANUAL FOR Ex APPROVED SRD MODEL TERMINAL BLOCKS	Ex-UM 02	31.01.2023
Technical Data sheet	KCUS-TDS-050822-1	31.01.2023