



[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: **FIDI 19 ATEX 0057**

Issue: **1**

[4] Product: **Terminal box**

Type: **SKX 16/E.. ; SKX 17/E..; SKX 18/E.. ; SKX 20/E.. ;  
SKX 16I/E.. ; SKX 18I-1/E.. ; SKX 18I-2/E.. ; SKX 20I/E..**

[5] Manufacturer: **TEPEX Ltd.**

[6] Product: **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] 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.

The examination and test results are recorded in confidential Report No: **FIDI 19CR057**

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

**EN IEC 60079-0:2018**

**EN IEC 60079-7:2015 / A1:2018**

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

**II 2D Ex tb IIIC T80°C Db**

Our ref.: 19.CRT.027

Date: 01.04.2020.



**Fiditas** d.o.o.  
ZAGREB

**FIDITAS Ltd.**  
**Certification department**

Approved:

Marino Kelava, M.E.Eng.



[13]

**SCHEDULE**

[14] **EU - TYPE EXAMINATION CERTIFICATE No.:** **FIDI 19 ATEX 0057**

[15] **Description of product**

Terminal boxes type SKX 16/E..; SKX 17/E..; SKX 18/E..; SKX 20/E.. consist of non-metallic enclosures type MMK 16, MMK 17, MMK 18, MMK 20 (FIDI 19 ATEX 0009U; II 2G Ex eb IIC Gb; II 2G Ex ia/ib IIC Gb; II 2D Ex tb IIIC Db) with terminals type CTS... mounted inside (SIRA 16 ATEX 3170U; II 2G Ex eb IIC Gb or II 2G Ex ib IIC Gb).

Terminal boxes type SKX 16I/E.. ; SKX 18I-1/E.. ; SKX 18I-2/E.. ; SKX 20I/E.. consist of metallic enclosures type MMK 302012, MMK 402012, MMK 403012, MMK 602012 (FIDI 19 ATEX 0023U; II 2G Ex eb IIC Gb; II 2G Ex ia/ib IIC Gb; II 2D Ex tb IIIC Db) with terminals type CTS... mounted inside (SIRA 16 ATEX 3170U; II 2G Ex eb IIC Gb ili II 2G Ex ib IIC Gb).

For cable entry, separately certified cable glands in type of protection increased safety 'eb' and protection by enclosure 'tb' shall be used.

**Technical data:**

Rated voltage:	up to 630 V
Rated current:	up to 125 A (depends on size and number of terminals)
Ambient temperature:	-20°C to +50 °C
Mechanical protection:	IP 66

The permitted number of terminals within the junction boxes and the permitted total current are given in the following tables:





Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 16/E and SKX 17/E	2,5 / 2,5	70	+ 40	9
		36		13
		4		18
		70	+ 50	8
		36		11
		4		16
	4 / 4	61	+ 40	13
		30		18
		4		26
		61	+ 50	11
		30		16
		4		22
	6 / 6	40	+ 40	18
		22		26
		4		35
		40	+ 50	16
		22		22
		4		31
	10 / 10	37	+ 40	26
		17		40
		4		48
		37	+ 50	22
		17		34
		4		40
	16 / 16	27	+ 40	38
		15		52
		4		65
		27	+ 50	32
		15		45
		4		56
	25 / 25	24	+ 40	52
		15		65
		4		86
		24	+ 50	45
		15		56
		4		74
	35 / 35	16	+ 40	65
		10		90
		4		105
		16	+ 50	56
		10		80
		4		90
	50 / 50	11	+ 40	90
		4		120
		11	+ 50	80
		4		105





Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 18/E	2,5 / 2,5	108	+ 40	9
		64		12
		4		16
		108	+ 50	8
		64		10
		4		14
	4 / 4	103	+ 40	12
		54		16
		4		23
		103	+ 50	10
		54		14
		4		20
	6 / 6	83	+ 40	16
		40		23
		4		34
		83	+ 50	14
		40		20
		4		30
	10 / 10	68	+ 40	23
		32		34
		4		48
		68	+ 50	20
		32		30
		4		42
	16 / 16	48	+ 40	34
		26		48
		4		60
		48	+ 50	30
		26		42
		4		50
	25 / 25	40	+ 40	48
		26		60
		4		80
		40	+ 50	42
		26		50
		4		70
	35 / 35	36	+ 40	60
		20		80
		4		105
		36	+ 50	50
		20		70
		4		90
50 / 50	26	+ 40	80	
	16		110	
	4		125	
	26	+ 50	70	
	16		95	
	4		100	





Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 20/E	2,5 / 2,5	126	+ 40	9
		78		12
		4		16
		126	+ 50	8
		78		10
		4		14
	4 / 4	122	+ 40	12
		66		16
		4		23
		122	+ 50	10
		66		14
		4		20
	6 / 6	98	+ 40	16
		48		23
		4		34
		98	+ 50	14
		48		20
		4		30
	10 / 10	80	+ 40	23
		36		34
		4		48
		80	+ 50	20
		36		30
		4		42
	16 / 16	58	+ 40	34
		29		48
		4		60
		58	+ 50	30
		29		42
		4		50
	25 / 25	46	+ 40	48
		30		60
		4		80
		46	+ 50	42
		30		50
		4		70
	35 / 35	41	+ 40	60
		23		80
		4		105
		41	+ 50	50
		23		70
		4		90
50 / 50	33	+ 40	80	
	18		110	
	4		125	
	33	+ 50	70	
	18		95	
	4		100	





Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 16I/E	2,5 / 2,5	60	+ 40	9
		30		13
		4		18
		60	+ 50	8
		30		11
		4		16
	4 / 4	48	+ 40	13
		24		18
		4		26
		48	+ 50	11
		24		16
		4		22
	6 / 6	36	+ 40	18
		18		26
		4		35
		36	+ 50	16
		18		22
		4		31
	10 / 10	30	+ 40	26
		14		40
		4		48
		30	+ 50	22
		14		34
		4		40
	16 / 16	22	+ 40	38
		11		52
		4		63
		22	+ 50	32
		11		45
		4		54
	25 / 25	18	+ 40	52
		11		65
		4		80
		18	+ 50	45
		11		56
		4		69
	35 / 35	14	+ 40	65
		8		90
		4		94
		14	+ 50	56
		8		80
		4		82
	50 / 50	10	+ 40	90
		3		120
		10	+ 50	80
		3		105





Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 18I-1/E..  and  SKX 18I-2/E..	2,5 / 2,5	95	+ 40	9
		55		12
		4		16
		95	+ 50	8
		55		10
		4		14
	4 / 4	88	+ 40	12
		50		16
		4		23
		88	+ 50	10
		50		14
		4		20
	6 / 6	75	+ 40	16
		36		23
		4		34
		75	+ 50	14
		36		20
		4		30
	10 / 10	60	+ 40	23
		27		34
		4		48
		60	+ 50	20
		27		30
		4		42
	16 / 16	44	+ 40	34
		22		48
		4		60
		44	+ 50	30
		22		42
		4		50
	25 / 25	34	+ 40	48
		21		60
		4		80
		34	+ 50	42
		21		50
		4		70
	35 / 35	31	+ 40	60
		17		80
		4		105
		31	+ 50	50
		17		70
		4		90
	50 / 50	25	+ 40	80
		13		110
		4		125
		25	+ 50	70
		13		95
		4		100



Type of terminal box	Nominal cross-section of conductor / terminal [mm <sup>2</sup> ]	Maximum number of terminals	Ambient temperature Tamax [°C]	I <sub>max</sub> [A]
SKX 20I/E	2,5 / 2,5	102	+ 40	9
		60		12
		4		16
		102	+ 50	8
		60		10
		4		14
	4 / 4	96	+ 40	12
		53		16
		4		23
		96	+ 50	10
		53		14
		4		20
	6 / 6	80	+ 40	16
		38		23
		4		34
		80	+ 50	14
		38		20
		4		30
	10 / 10	65	+ 40	23
		29		34
		4		48
		65	+ 50	20
		29		30
		4		42
	16 / 16	47	+ 40	34
		24		48
		4		60
		47	+ 50	30
		24		42
		4		50
	25 / 25	37	+ 40	48
		23		60
		4		80
		37	+ 50	42
		23		50
		4		70
	35 / 35	33	+ 40	60
		18		80
		4		105
		33	+ 50	50
		18		70
		4		90
	50 / 50	26	+ 40	80
		14		110
		4		125
		26	+ 50	70
		14		95
		4		100



**[16] Confidential Report No.** FIDI 19CR057

**[16.1] Routine testing**

None

**[17] Specific Conditions of Use**

None

**[18] Essential Health and Safety Requirements**

Covered by the conformity with harmonized standards listed under item 9.

**[19] Drawings and Documents**

Title:	Drawing No.:	Rev. level:	Date:
Technical description of terminal boxes, type: SKX 16/E; SKX 17/E; SKX 18/E; SKX 20/E; SKX 16I/E; SKX 18I-1/E; SKX 18I-2/E; SKX 20I/E	-	-	27.03.2020.
Drawing of terminal box SKX 16/E	T 22.01.06.00-1	-	27.03.2020.
Drawing of terminal box SKX 17/E	T 22.01.06.00-2	-	27.03.2020.
Drawing of terminal box SKX 18/E	T 22.01.06.00-3	-	27.03.2020.
Drawing of terminal box SKX 20/E	T 22.01.06.00-4	-	27.03.2020.
Drawing of terminal boxes SKX 16I/E; SKX 18I-1/E; SKX 18I-2/E; SKX 20I/E	T 22.01.06.00-5	-	27.03.2020.
Description of certification drawings of terminal boxes, type: SKX 16/E; SKX 17/E; SKX 18/E; SKX 20/E; SKX 16I/E; SKX 18I-1/E; SKX 18I-2/E; SKX 20I/E	-	-	27.03.2020.
Instruction for use of terminal boxes type: SKX 16/E; SKX 17/E; SKX 18/E; SKX 20/E; SKX 16I/E; SKX 18I-1/E; SKX 18I-2/E; SKX 20I/E	TEPEX.RS.075	01	27.03.2020.