



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

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 19 ATEX 0008** Issue: **1**

[4] Product: **Bus-bar enclosure**
Type: **SKX 20/1-120 or SKX 20/2-185 or SKX 20/3-185**

[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 19 CR 008**

[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 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule.

[10] 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] 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...T5 Gb
II 2D Ex tb IIIC T80°C Db

19.CRT.032

Date: 25.09.2019



FIDITAS Ltd.
Certification department
Approved:

Marino Kelava, M.E.Eng.



[13]

SCHEDULE

[14] **EU - TYPE EXAMINATION CERTIFICATE No.: FIDI 19 ATEX 0008**

[15] **Description of product**

Bus-bar enclosure SKX 20/... is intended for connection of cables with cross section from 50 mm² to 185 mm². The bus-bar enclosure consists of a board with tripolar bus-bar and bus-bar for the grounding which is built in the enclosure type MMK 20 (FIDI 19 ATEX 0009U; II 2G Ex eb IIC Gb; II 2D Ex tb IIIC Db). Bus-Bar enclosure is made of one enclosure MMK 20 or connecting of enclosures in batteries.

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

Bus-bar enclosures are identified by the following code:

- SKX 20/ 1-120** - 60mm bus-bar system, Cu bus-bar 20x10mm; 3L + N + PE; one MMK 20/1 enclosure; maximum cross section of inlet cable 120mm²
- SKX 20/2-185** - 100mm bus-bar system, Cu bus-bar 30x10mm; 3L + PE; two MMK 20/2 enclosure; maximum cross section of inlet cable 185mm²
- SKX 20/3-185** - 100mm bus-bar system; Cu bus-bar 30x10mm; 3L + PE; three MMK 20/2 enclosure; maximum cross section of inlet cable 185mm²

Technical data:

- Rated voltage: to 630 V AC
- Rated current: to 430 A (according to table of maximum currents)
- Connecting terminals: 120 mm² / 185 mm² / 300 mm²
- Ambient temperature: -20°C to +50 °C
- Mechanical protection: IP 66

Table of maximum currents:

Terminal	Conductor cross section [mm ²]	Maximum thermal current of terminals / cable [A]			
		Tamax= +40°C		Tamax= +50°C	
		Cable temperature stability ≥ 70°C II 2G - T6 II 2D - T80°C	Cable temperature stability ≥ 90°C II 2G - T5 II 2D - T80°C	Cable temperature stability ≥ 70°C II 2G - T6 II 2D - T80°C	Cable temperature stability ≥ 90°C II 2G - T5 II 2D - T80°C
300mm ²	185	330	430	280	370
	150	270	350	230	300
185mm ²	120	200	280	160	240
120mm ²	95	160	215	130	185
	70	120	160	95	140
	50	85	115	65	100



[16] Confidential Report No. FIDI 19 CR 008

[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 bus-bar enclosures type SKX 20	-	-	12.09.2019.
Drawing of bus-bar enclosure SKX 20/1-120	T51.08.00.00-1	-	12.09.2019.
Drawing of bus-bar enclosure SKX 20/2-185	T51.08.00.00-2	-	12.09.2019.
Drawing of bus-bar enclosure SKX 20/3-185	T51.08.00.00-3	-	12.09.2019.
Drawing of terminals	T51.08.00.00-4	-	12.09.2019.
Description of bus-bar enclosures certification drawing T51.08.00.00-1/2/3	-	-	12.09.2019.
Instructions for use of bus-bar enclosures type SKX 20	TEPEX.RS.096	0	12.09.2019.