



[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 0055** Issue: **1**

[4] Product: **Bus-bar enclosure**

Type: **SKX 1008020 / SRU-...**

[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 19CR055**

[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] 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...T5 Gb**

**II 2D Ex tb IIIC T80°C...T95°C Db**

Our ref.: 19.CRT.032

Date: 02.03.2020.



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

Approved:

  
Marino Kelava, M.E.Eng.



[13]

**SCHEDULE**

 [14] EU - TYPE EXAMINATION CERTIFICATE No.: **FIDI 19 ATEX 0055**

 [15] **Description of product**

Bus-bar enclosure SKX 1008020/SRU is intended for connection of armored and non-armored cables with cross section from 50 mm<sup>2</sup> to 240 mm<sup>2</sup>. In the metallic enclosure a board with tripolar bus-bar, bus-bar for the grounding and bus-bar for neutral connection are built in.

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

Bus-bar enclosures are identified by the code SKX 1008020 / SRU-... (SRU-... represents batch number).

**Technical data:**

|                                |  |
|--------------------------------|--|
| Rated voltage U <sub>n</sub> : | up to 630 Vac  |
| Rated current I <sub>n</sub> : | up to 450 A (according to table of maximum currents) |
| Connecting terminals:          | 120 mm <sup>2</sup> / 300 mm <sup>2</sup>            |
| Ambient temperature:           | -40°C to +50 °C                                      |
| Mechanical protection:         | IP 65  |

**Table of maximum currents:**

| Terminal           | Conductor cross section [mm <sup>2</sup> ] | Max. thermal current of terminals / cable [A]                     |   |   |   |
|--------------------|--|---|---|---|---|
|                    |  | T <sub>amax</sub> = +40°C   |   | T <sub>amax</sub> = +50°C   |   |
|                    |  | Cable temperature stability ≥ 70°C<br>II 2G - T6<br>II 2D - T80°C | Cable temperature stability ≥ 90°C<br>II 2G - T5<br>II 2D - T80°C | Cable temperature stability ≥ 70°C<br>II 2G - T6<br>II 2D - T80°C | Cable temperature stability ≥ 90°C<br>II 2G - T5<br>II 2D - T95°C |
| 300mm <sup>2</sup> | 240  | 375   | 450   | 300   | 425   |
|                    | 185  | 345   | 440   | 270   | 390   |
|                    | 150  | 310   | 400   | 240   | 350   |
|                    | 120  | 265   | 350   | 210   | 300   |
| 120mm <sup>2</sup> | 95   | 225   | 300   | 175   | 250   |
|                    | 70   | 165   | 220   | 130   | 185   |
|                    | 50   | 120   | 160   | 90  | 130   |

 [16] **Confidential Report No.** FIDI 19CR055

 [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 1008020 / SRU-... | -            | -           | 28.02.2020. |
| Drawing of bus-bar enclosures  | T51.07.00.00 | -           | 28.02.2020. |
| Description of bus-bar enclosures certification drawing T51.07.00.00   | -            | -           | 28.02.2020. |
| Instructions for use of bus-bar enclosures type SKX 1008020 / SRU-...  | TEPEX.RS.094 | 1           | 28.02.2020. |