

[1] **EC – TYPE EXAMINATION CERTIFICATE**[2] Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC[3] EC-Type Examination Certificate Number: **EXA 14 ATEX 0002** Issue: **1**[4] Equipment or Protective System: **Bus-bar enclosure**Type: **SKX 604016-./...**[5] Manufacturer: **TEP Ex Ltd**[6] Address: **Medarska 69, 10090 Zagreb, Croatia**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] Ex-Agencija, Notified Body number 2465 according to Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential report number: **EXA 14CR004**

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

EN 60079-0:2012**EN 60079-7:2007****EN 60079-31:2009**

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 equipment or protective system is subject to specific conditions for safe use specified in the schedule to this certificate.

[11] This EC-Type Examination Certificate relates only to the design, examination and test of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

**II 2G Ex e IIC T6 Gb**
II 2D Ex tb IIIC T80°C Db

Date: 04.02.2014

PB.14.TC.40/DK

Prepared:

Damir Korunić, dipl.ing.el.Ex-Agencija
Department of equipment certification
Approved:
Stipo Đerek, dipl.ing.el.

[13]

SCHEDULE

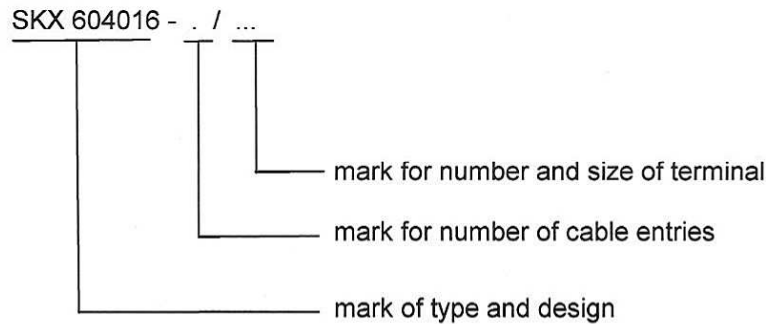
 [14] **EC - TYPE EXAMINATION CERTIFICATE No.:** EXA 14 ATEX 0002

[15] Description of Equipment or Protective System

Bus-bar enclosure SKX 604016-./... is intended for connection cables cross section from 35 mm² to 150 mm². The bus-bar enclosure consists of the board with the tripolar bus-bar and bus-bar for the grounding which is built in the enclosure type MMK 604016/A4, manufacturer TEPEX Ltd, certificate No. EXA 13 ATEX 0053U.

Cable entries are made with certified cable glands in accordance with standards EN 60079-0 and EN 60079-7 and/or EN 60079-31.

Bus-bar enclosures are marked with type:



NOMINAL DATA:	
Nominal voltage U_e	to 690 V AC
Nominal current I_n	to 300 A (according to table of maximum currents)
Terminals	120 mm ² / 185 mm ²
IP protection	according to EN 60529, IP 66, category 1
Ambient temperature	-20°C ≤ Ta ≤ +40°C or -20°C ≤ Ta ≤ +50°C

Table of maximum currents:

Terminal	Conductor cross section	I_{max}	
		for (-20°C ≤ Ta ≤ +40°C)	for (-20°C ≤ Ta ≤ +50°C)
185 mm ²	150 mm ²	300 A	250 A
	120 mm ²	250 A	200 A
120 mm ²	95 mm ²	200 A	160 A
	70 mm ²	150 A	125 A
	50 mm ²	125 A	100 A
	35 mm ²	100 A	80 A

Page: 2/3



[15.1] Documentation

Title:	Drawing No.:	Rev. level:	Date:
Technical description of Ex-protected bus-bar enclosures type SKX 604016 - . / ...	-	-	01.2014
Instructions for use of Ex-protected bus-bar enclosures type SKX 604016 - . / ...	TEPEX.RS.054	1	01.2014
Drawing of bus-bar enclosures SKX 604016-2/.....	T51.06.00.00-1	-	01.2014
Drawing of bus-bar enclosures SKX 604016-3/.....	T51.06.00.00-2	-	01.2014
Description of bus-bar enclosures certification drawing T 51.06.00.00 SKX604016-./...	-	-	12.11.2013

[16] Confidential Report No. EXA 14CR004

[16.1] Routine testing

The manufacturer shall carry out the following routine test:

- Dielectric strength test according to standard EN 60079-7 cl. 7.1, with test voltage applied:
 - a) $(2U_n+1000)$ V but not less than 1500 V for at least 60 sec. or
 - b) 1,2 times test voltage defined in paragraph a) for a period at least 100 msec.

[17] Specific Conditions for Safe Use 'X'

None.

[18] Essential Health and Safety Requirements

Covered by the standards listed at item 9.

57