

EC – TYPE EXAMINATION CERTIFICATE

[1]

[2] Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC[3] EC-Type Examination Certificate Number: **EXA 15 ATEX 0006X** Issue: **1**[4] Equipment or Protective System: **Installation switch**Type: **SKX-SW/_**[5] Manufacturer: **TEPEX 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 15CR016**

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

EN 60079-0:2012/A11:2013**EN 60079-1:2007****EN 60079-7:2007**

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 d e IIC T6 Gb**

Date: 13.03.2015.

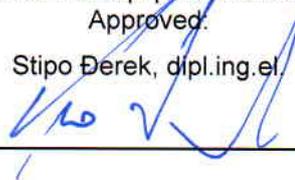
PB.14.TC.1256/DK

Prepared:

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**Ex-Agencija**Department of equipment certification
Approved:

Stipo Đerek, dipl.ing.el.



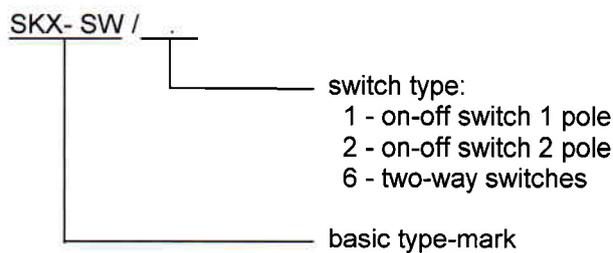
[13]

SCHEDULE

 [14] **EC - TYPE EXAMINATION CERTIFICATE No.:** **EXA 15 ATEX 0006X**
[15] Description of Equipment or Protective System

Installation switch SKX-SW/_ consists of plastic enclosure type MMK 12 (certificate EXA 14 ATEX 0073U) built-in push-button type PBT .. (certificate EXA 13 ATEX 0033U) and operation head type S 6 92 01 or S 6 92 02 (certificate DNV-2009-OSL-ATEX-46028U). Cable connection is provided by cable glands type SPU 25 (certificate EXA 14 ATEX 0009X). Unused cable entry is closed by plug type SPC 25 (certificate EXA 14 ATEX 0009X).

Marking:



RATED DATA:	
Rated isolating voltage U_i	690 V
Thermal current I_{th}	16 A @ $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ 15 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
IP protection	IP 54, category 1 according to EN 60529
Nominal voltage U_e	up to 500 V
Ambient temperature	$-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Category of use	Rated operating voltage U_e	Rated operating current I_e
AC 5a	230 V	16 A @ $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ 15 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
AC 5b	230 V	16 A @ $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ 15 A za $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
AC 1	500 V	16 A @ $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ 15 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
AC 15	250 V 500 V	6 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ 4 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
DC 13	24 V 60 V 110 V	6 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ 0,8 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ 0,5 A @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

[15.1] Documentation

Title:	Drawing No.:	Rev. level:	Date:
Technical description of installation switch type SKX-SW/1, SKX-SW/2 and SKX-SW/6	-	-	25.02.2015.
Certification drawing of installation switch type SKX-SW/1,2,6	T64.10.39.10	-	25.02.2015.
Description of certification drawing T64.10.39.10 of installation switch SKX-SW/1,2,6			25.02.2015.
Instruction for use for installation switch type SKX-SW/1, SKX-SW/2 and SKX-SW/6	TEPEX.RS.063	01	02.2015.

[16] Confidential Report No. EXA 15CR016**[16.1] Routine testing**

The manufacturer shall carry out the following routine tests:

dielectric strength test according to standard EN 60079-7 cl. 7.1 s with test voltage applied (2Un+1000) V but not less than 1500 V for a period at least 60 s or with 1.2 x (2Un+1000) V for a period at least 100 ms.

[17] Specific Conditions for Safe Use 'X'

The cable gland of installation switch was tested with lower impact energy according to EN 60079-0, therefore it has to be installed in places with lower risk of impact.

The user shall provide additional clamping of the cable because the clamping test at the cable gland of installation switch was performed with value of extraction force reduced to 25%.

[18] Essential Health and Safety Requirements

Covered by the standards listed at item 9.