

# EU-Type Examination Certificate

- [2] COMPONENT INTENDED FOR USE ON/IN AN EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 17 ATEX 10063U Issue 0
- [4] Product: Explosion-proof switch module  
Z0201 series
- [5] Manufacturer: INDEX ELEKTRO BV
- [6] Address: Harregatplein 15  
3214 VP Zuidland  
Netherlands
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Nemko Presafe AS, notified body number 2460, 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 to the Directive..  
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-1:2014 and EN 60079-7:2015.
- [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 and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:



II 2 G

Ex db eb IIC Gb

Bjørn Spongsveen  
For DNV GL Nemko Presafe AS

The Certificate has been digitally signed.  
See [www.presafe.com/digital\\_signatures](http://www.presafe.com/digital_signatures) for more info



Date of issue: 2017-04-26

This certificate replaces  
previous certificate  
issued by DNV.

*This certificate may only be reproduced in its entirety and without any change, schedule included.*

[13]

## Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 17 ATEX 10063U Issue 0

[15] **Description of Product**

The Z0201 explosion-proof switch module is of combination of types of protection “d”, “e”. The contact compartment is of type of protection “d”, and the terminals are of type of protection “e”. The installation method of Z0201 is divided into two types: board front, board back. The enclosure of Z0201 explosion-proof switch module is plastic. For type board front two push poles go out through the cover and for type board back these two push poles go out through the shell.

The shells of the Z0201-B6..., Z0201-H6..., Z0201-C6... are integrated one with 2 shells of the Z0201-6... by moulding.

The shells of the Z0201-B7... are integrated one with 2 shells of the Z0201-7... by moulding.

The shell of the Z0201- A75... is assembled with 2 shells of the Z0201-6....

### Type designation

#### 2-Poles switch

Z 02 01 - □ □ □ □

**Ambient temperature code:**

L: Ta≥- 40°C

H: Ta≥- 55°C

**Material of point:**

S: Silver point

G: Gold-plated silver point

**Contact point:**

0: 1NO+1NC

1: 2NC

2: 2NO

**Mounting type:**

6: Board front rail type

7: Board back type

A7: Board back type (Not installed protection cover and locking head)

C6: C type 2-poles switch board front rail type

Design code of product

Year number of design and development of product

Abbreviation code of manufacturer name

## 4-Poles switch

Z	02	01	-	□	□	□□	□	□
<p><b>Ambient temperature code:</b> L: Ta≥- 40°C H: Ta≥- 55°C</p> <p><b>Material of point:</b> S: Silver point G: Gold-plated silver point</p> <p><b>Code of switch function:</b> 50 to 54 (for A, B type) 01 to 14, and other code (for H type)</p> <p><b>Mounting type:</b> 6: Board front rail type (for B, H type only) 7: Board back type (for A, B type only)</p> <p><b>Code of 4-poles switch:</b> A: A type B: B type H: H type</p> <p>Design code of product Year number of design and development of product Abbreviation code of manufacturer name</p>								

### Electrical Data

Rated voltage and rated current: 400 V a.c. 16 A  
110 V d.c. 1 A

### Degrees of protection (IP Code)

IP20

### Ambient temperature range

-40°C to +60°C (for 2-poles types Z0201-□□□□L, for 4-poles types Z0201-□□□□□L)  
-55°C to +60°C (for 2-poles types Z0201-□□□□H, for 4-poles types Z0201-□□□□□H)

### Service temperature range

-40°C to +90°C (for 2-poles types Z0201-□□□□L, for 4-poles types Z0201-□□□□□L)  
-55°C to +90°C (for 2-poles types Z0201-□□□□H, for 4-poles types Z0201-□□□□□H)

### Routine tests

- A dielectric strength test shall be carried out according to requirements of clause 7.1 of EN 60079-7:2015.

**[16] Report No.:** 2011-3009, Rev.01  
**Project No.:** PRJC-562198-2017-PRC-CHN

**[17] Schedule of Limitations**

- The flameproof joints are not intended to be repaired.

- The Z0201 explosion-proof switch module must be installed into a suitably certified enclosure with IP54 at least. When the switch modules are installed in an enclosure of the type of protection increased safety “e” in compliance with standard IEC/EN 60079-7, the clearance and creepage distances according to section 4.3 and 4.4 and table 2 must be fulfilled.

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

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

**[19] Drawings and Documents**

As listed in confidential report 2011-3009.

**[20] Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue (Replaces DNV 10 ATEX 87329U)	2017-04-26	2011-3009, Rev.01

END OF CERTIFICATE