

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 9488U Issue 0
- [4] Product: Explosion-proof load isolation switch module Z0513 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 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 Nemko Presafe AS
Information on electronic signature www.presafe.com



Date of issue: 2017-02-24

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 9488U Issue 0

[15] **Description of Product**

Z0513 Series explosion-proof load isolation switch module comprises many single-pole flameproof switch modules that are fixed by bolts. The switch can be switched on and off by rotating the main shaft to drive the master cams which are mounted on the shaft to make the plungers on the single-pole flameproof switch modules enter or pop out.

Type designation

Z	05	13	□	/	□	-	□
<p>Auxiliary contact (No matching not noted): 0: 1NO+1NC 1: 2NC 2: 2NO 3: 1NC 4: 1NO</p>							
<p>Number of poles: 3P, 4P, 3P+N, 6P, 12P</p>							
<p>Rated current: 25A, 40A, 80A, 180A</p>							
<p>Type design code</p>							
<p>Year code of product</p>							
<p>Abbreviation code of manufacturer name</p>							

Electrical Data

The 25A Explosion-proof load isolation switch module

Rated current: 25A
Rated voltage: max. 690V 50/60Hz
Rated capacity of switch:

U [V]	230	400	500	690	250	400	24	250
AC3 I[A]	25	25	20	16	AC15 10	8	DC13 8	1
Wire cross-Section area	4 mm ²		2.5 mm ²		1.5 mm ²		1.5 mm ²	

The 40A Explosion-proof load isolation switch module

Rated current: 40A
Rated voltage: max. 690V 50/60Hz
Rated capacity of switch:

U [V]	230	400	500	690
AC3 I[A]	40	40	40	32
Wire cross-Section area	10 mm ²			

The 80A Explosion-proof load isolation switch module

Rated current: 80A

Rated voltage: max. 690V 50/60Hz

Rated capacity of switch:

U [V]	230	400	500	690
AC3 I[A]	80	80	80	63
Wire cross- Section area	25 mm ²			16 mm ²

The 180A Explosion-proof load isolation switch module

Rated current: 180A

Rated voltage: max. 690V 50/60Hz

Rated capacity of switch:

U [V]	230	400	500	690
AC3 I[A]	180	180	150	125
Wire cross- Section area	95 mm ²		70 mm ²	50 mm ²

Ambient temperature range

-40°C to +55°C

Service temperature range

-40°C to +95°C

Routine tests

- A dielectric strength test shall be carried out at 2380 V a.c. according to requirements of clause 7.1 (6.1) of EN 60079-7:2015 on all modules.
- A routine overpressure test of 0.7 MPa according to clause 16 of EN 60079-1:2014 shall be carried out on the 80A module.
- A routine overpressure test of 1 MPa according to clause 16 of EN 60079-1:2014 shall be carried out on the 180A module.

[16] Report No.: 2011-3014, Rev.01

Project No.: PRJC-559527-2017-PRC-CHN

[17] Schedule of Limitations

- The product should be installed inside explosion-proof enclosure which is suitable to the application area and providing at least IP54 protection level.

[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 2011-3014.

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue (Replaces DNV 10 ATEX 87341U)	2017-02-24	2011-3014, Rev.01

END OF CERTIFICATE