



EU-TYPE EXAMINATION CERTIFICATE

- 1)
- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) EU-Type Examination Certificate Number : **SCA20ATEX068X/Rev.03** (for revision detail see cl.20)
- 4) Equipment or Protective System : **Terminal and Control Boxes**, TYPES: **ZNB.□.□ series** (The type description is in the schedule)
- 5) Manufacturer : **ZONE Elektrik Mak. Müh. İmalat San. Tic. Ltd. Şti.**
- 6) Manufacturer Address : **Çerkeşli OSB Mah. IMES-19 Cad. No:15 Dilovası-Kocaeli/TÜRKİYE**
- 7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Özel Egt. Hizm. Ltd. Sti. Notified Body number 2336 in accordance with the Council Directive 2014/34/EU, certifies that this equipment 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 2014/34/EU.
* The examination and test results are recorded in the confidential report B/2026-03-046/02/Rp.01
- 9) Essential Health and Safety Requirements is made about reference standard.
EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024
- 10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.
- 11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU. Future requirements of the Directive applies to the production process and the provision of equipment or protective system. These are not discussed in this certificate.
- 12) Marking of the equipment or protective system must include the following :



II 2G Ex db IIB+H₂ T6 Gb

II 2D Ex tb IIIC T85°C Db

Emre Kocuklu

Digitally
Signed

The competent person
SCA Technical Manager
Emre KOCUKLU



Date of Approval : 17.06.2026

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Şti.
Küçükçiftlik Mah. 8785/1 Sokak No:17 Çiğli -İZMİR / TÜRKİYE
Phone: 0090 (232) 489 02 12 Fax: 0090 (232) 489 02 17
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13) SCHEDULE

14) EU-Type Examination Certificate : SCA20ATEX068X/Rev.03

15) Description of Equipment and/or Protective System:

ZNB.□.□ series terminal and control boxes enclosure and cover are made from an aluminium alloy. These equipment have different sizes and variable components. The enclosures can be used empty or they maybe fitted with signal lamp, push button, emergency button and rotary mechanism switch which tested together with enclosure.

ZNB.□.□ series enclosure has been tested and assessed together with SCA22ATEX167U certificate numbered ZNEQ series flameproof signal and control operators (Start Button, Stop Button, Emergency Button, Mushroom Push Button, Signal Lamp, Switch, Potentiometer)

Technical Parameters

Rated voltage : 220-380 VAC

Rated frequency : 50/60 Hz

Degree of protection : IP65 for "E" type enclosures fitted with equipment/operators.

IP66 for "Empty" type enclosures without equipment.

Ambient temperature : -25°C to +55°C

Type Parameters

Type	Component Type and Max. Quantity			Minimum Distance Between Components	
	Maximum number of holes	Signal lamp, push button, emergency button (1/2")	Rotary mechanism switch (1/2")	Signal lamp, push button, emergency button	Rotary mechanism switch
ZNB-7E	35	35	18	55 mm	80 mm
ZNB-6E	26	26	18		
ZNB-5E	18	18	12		
ZNB-4E	15	15	8		
ZNB-3E	6	6	3		
ZNB-2E	3	3	2		
ZNB-1E	3	3	2		
ZNB-CE3E	3	3	1		-
ZNB-CE2E	2	2	1		-

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CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA20ATEX068X/Rev.03

Identification of Type Codes

ZNB . ☐ . ☐

Type (With/Without Equipment)

Number of Box

Code	Definition
<u>1</u>	145x210x121 mm
<u>2</u>	200x275x143 mm
<u>3</u>	230x330x166 mm
<u>4</u>	315x460x202 mm
<u>5</u>	305x520x226 mm
<u>6</u>	430x660x285 mm
<u>7</u>	536x786x310 mm
<u>CE2</u>	For one switch or two equipment
<u>CE3</u>	Max. Three equipment, without switch

For ZNB.1 - ZNB.7

Empty	Without Equipment
<u>E</u>	With Equipment

For CE3 Equipment Unit

Code	Equipment
<u>E17</u>	Triple Pushbutton
<u>E18</u>	Double Pushbutton + Signal Lamp
<u>E19</u>	Double Pushbutton + Emergency
<u>E20</u>	Double Pushbutton + Potentiometer
<u>E21</u>	Triple Signal Lamp
<u>E22</u>	Pushbutton + Double Signal Lamp

For CE2 Switches Unit

Code	Current	Position
<u>E01</u>	2x16A	0-1
<u>E02</u>	3x32A	0-1
<u>E03</u>	4x40A	0-1
<u>E04</u>	2x25A	0-1-2
<u>E05</u>	2x25A	1-0-2
<u>E06</u>	3x32A	0-1 (lockable)

For CE2 Equipment Unit

Code	Equipment
<u>E07</u>	Single Pushbutton 1NO+1NC
<u>E08</u>	Signal Lamp (24 V or 220 V)
<u>E09</u>	Emergency Button 1NC
<u>E10</u>	Potentiometer (10K)
<u>E11</u>	Double Pushbutton
<u>E12</u>	Double Signal Lamp
<u>E13</u>	Pushbutton + Signal Lamp
<u>E14</u>	Pushbutton + Emergency
<u>E15</u>	Signal Lamp + Emergency
<u>E16</u>	Potentiometer + Signal Lamp

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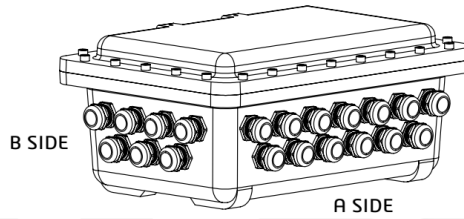
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Type Parameters (Continuation)

Type		Max. Quantity of Enclosure Entries									
		A Side					B Side				
	Metric	M20	M25	M32	M40	M50	M20	M25	M32	M40	M50
	NPT	1/2"	3/4"	1"	1 1/4"	1 1/2"	1/2"	3/4"	1"	1 1/4"	1 1/2"
ZNB-7		32	32	23	14	14	23	23	14	8	8
ZNB-6		29	29	23	14	12	17	17	11	6	6
ZNB-5		15	15	13	9	5	9	9	7	5	3
ZNB-4		13	13	11	5	4	7	7	5	2	2
ZNB-3		9	9	5	2	2	5	5	2	1	1
ZNB-2		7	7	3	3	2	5	3	2	1	1
ZNB-1		3	3	2	-	-	2	2	1	-	-



16) Test and Assessment Report : B/2026-03-046/02/Rp.02

17) Special Conditions for Safe Use (X):

i. If end user/ assembler will be use another control and signalling operators other than ZNEQ series flameproof signal and control operators and also the cable glands used for cable entries and plugs for unused holes on equipment must have meet the requirements specified in this certificate and user manual. (group, category, gas/ dust group, IP, entry size etc.)

Notes for manufacturing and operation

i. ZNB-6 and ZNB-7 model enclosures the manufacturer shall carry out the routine overpressure test according to EN 60079-1:2014 Clause 16.

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18) Essential Health and safety Requirements :

Met by compliance with the standards listed in Section 9 of this certificate.

19) Drawing and Documents :

Technical file ZN-B-19/Rev.03 dated 10.01.2026 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Pages	Rev.	Date
Z-01NB-0-000	General Assembly	1	00	14.01.2018
Z-03NB-2-1-001	ZNB Diameters	1	02	13.03.2020
Z-02NB-1-400	ZNB 1 Body	1	00	24.04.2018
Z-02NB-1-401	ZNB 1 Cover	1	00	24.04.2018
Z-02NB-1-402	ZNB 1 Assembly Plate	1	00	24.04.2018
Z-02NB-1-404	ZNB 2 Body	1	00	24.04.2018
Z-02NB-1-405	ZNB 2 Cover	1	00	24.04.2018
Z-02NB-1-406	ZNB 2 Assembly Plate	1	00	24.04.2018
Z-02NB-1-407	ZNB 3 Body	1	00	24.04.2018
Z-02NB-1-408	ZNB 3 Cover	1	00	24.04.2018
Z-02NB-1-409	ZNB 3 Assembly Plate	1	00	24.04.2018
Z-02NB-1-410	ZNB 4 Body	1	00	24.04.2018
Z-02NB-1-411	ZNB 4 Cover	1	00	24.04.2018
Z-02NB-1-412	ZNB 4 Assembly Plate	1	00	24.04.2018
Z-02NB-1-413	ZNB 5 Body	1	00	24.04.2018
Z-02NB-1-414	ZNB 5 Cover	1	00	24.04.2018
Z-02NB-1-415	ZNB 5 Assembly Plate	1	00	24.04.2018
Z-02NB-1-416	ZNB 6 Body	1	00	24.04.2018
Z-02NB-1-417	ZNB 6 Cover	1	00	24.04.2018
Z-02NB-1-418	ZNB 6 Assembly Plate	1	00	24.04.2018
Z-02NB-1-419	ZNB 7 Body	1	00	24.04.2018
Z-02NB-1-420	ZNB 7 Cover	1	01	10.12.2019

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Drawing No:	Title	Pages	Rev.	Date
Z-02NB-1-421	ZNB 7 Assembly Plate	1	00	24.04.2018
Z-02NB-1-422	ZNB CE2 Body	1	00	10.12.2019
Z-02NB-1-423	ZNB CE2/A, ZNB CE2/B Cover	1	00	10.12.2019
Z-02NB-1-424	ZNB CE3 Body	1	00	10.12.2019
Z-02NB-1-425	ZNB CE3 Cover	1	00	10.12.2019

20) Certificate History :

Revision Number	Publication Date	Explanation
Rev.00	07.05.2021	First Publication
Rev.01	28.12.2022	Published for; -Add signal and control operators which tested together with enclosure. -Add the "H ₂ " gas group.
Rev.02	23.10.2024	Published for revised the degree of protection (IP)
Rev.03	17.06.2026	Published for the address and identification of type code change and updating with EN 60079-31:2024.

.....END OF CERTIFICATE.....

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