



## 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 : **SCA22ATEX167U**
- 4) Equipment or Protective System : **Signal and Control Operators**  
TYPE: **ZNEQ.01, ZNEQ.02, ZNEQ.03, ZNEQ.04, ZNEQ.05, ZNEQ.06, ZNEQ.07**
- 5) Manufacturer : **ZONE Elektrik Mak. Müh. İmalat San. Tic. Ltd. Şti.**
- 6) Manufacturer Address : **Şekerpınar Mahallesi, Anadolu Cad. NO:8/A Çayırova - Kocaeli/TURKEY**
- 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/2022-04-102/Rp.02
- 9) Essential Health and Safety Requirements is made about reference standard.  
  
EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014
- 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+H<sub>2</sub> Gb**  
**II 2D Ex tb IIIC Db**

**The competent person**  
**SCA Technical Manager**  
**İsmail OĞLAKCIOĞLU**



**Date of Approval : 20.12.2022**

## 13) SCHEDULE

14) EU-Type Examination Certificate : SCA22ATEX167U

15) Description of Equipment and/or Protective System:

ZNEQ series signal and control operators designed for mounting on certified flameproof ("d" protection type) enclosures. The body of operators made of brass.

### Technical Parameters

|                      |                            |
|----------------------|----------------------------|
| Rated Voltage        | : 24V, 220V, 380V          |
| Frequency            | : 50/60 Hz                 |
| Rated Current        | : 16A ~ 63A                |
| Thread Size          | : 1/2" Whitworth (ISO 228) |
| Degree of protection | : IP 65                    |
| Ambient temperature  | : -20°C to +55 °C          |

### Identification of Type Codes

ZNEQ .  .  .

|                    |   |
|--------------------|---|
| Voltage or Current | 24V, 220V or 380V   |
|                    | 16A, 25A, 32A or 63A                                      |
| Detail             | <u>R</u> for red, <u>G</u> for green, <u>Y</u> for yellow |
|                    | <u>01</u> for 0-1   |
|                    | <u>012</u> for 0-1-2                                      |
|                    | <u>102</u> for 1-0-2                                      |
| Type               | <u>01</u> for Start Button                                |
|                    | <u>02</u> for Stop Button                                 |
|                    | <u>03</u> for Emergency Button                            |
|                    | <u>04</u> for Mushroom Push Button                        |
|                    | <u>05</u> for Signal Lamp                                 |
|                    | <u>06</u> for Switch                                      |
|                    | <u>07</u> for Potentiometer                               |

The competent person  
SCA Technical Manager  
İsmail OĞLAKCIOĞLU

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## CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA22ATEX167U

16) **Test and Assessment Report** B/2022-04-102/Rp.02

17) **Schedule of Limitations (U):**

Tamb: -20°C to +55°C

- The signal and control operators shall only be used with enclosures that have a reference pressure of max. 6.96 bar
- The signal and control operators should be assembled in according to instructions in user manual and relevant standards.

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-EQ-22/Rev.00 dated 01.05.2022 includes drawings, safety, maintenance and mounting instructions.

| Drawing No    | Title                        | Pages | Rev. | Date       |
|---------------|------------------------------|-------|------|------------|
| Z-01NEQ-1-001 | General Drawing of operators | 1     | 00   | 17.10.2021 |
| Z-01NEQ-1-002 | Start/stop button assembly   | 1     | 00   | 17.10.2021 |
| Z-01NEQ-1-003 | Parts of start/stop button   | 1     | 00   | 17.10.2021 |
| Z-01NEQ-1-004 | Signal lamp assembly         | 1     | 00   | 17.10.2021 |
| Z-01NEQ-1-005 | Parts of signal lamp         | 1     | 00   | 17.10.2021 |
| Z-01NEQ-1-006 | Emergency button assembly    | 1     | 00   | 25.10.2021 |
| Z-01NEQ-1-007 | Parts of emergency button    | 1     | 00   | 25.10.2021 |
| Z-01NEQ-1-008 | Switch assembly              | 1     | 00   | 01.11.2021 |
| Z-01NEQ-1-009 | Parts of switch              | 1     | 00   | 01.11.2021 |
| Z-01NEQ-1-010 | Potentiometer assembly       | 1     | 00   | 01.11.2021 |
| Z-01NEQ-1-011 | Parts of potentiometer       | 1     | 00   | 01.11.2021 |

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

**The competent person**  
**SCA Technical Manager**  
**İsmail OĞLAKCIOĞLU**

**Date of Approval : 20.12.2022**