



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 : **SCA21ATEX117X**
- 4) Equipment or Protective System : **Junction Box**, TYPES: **ZNJ.X Series (ZNJ65.X, ZNJ105.X, ZNJ150.X, ZNJ.105T.X)**
- 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/2021-02-040/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 T6 Gb
II 2D Ex tb IIIC T80°C Db

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU



Date of Approval : 01.09.2021

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This Certificate May Only Be Reproduced In Its Entirety And Without Change



13) SCHEDULE

14) EU-Type Examination Certificate: SCA21ATEX117X

15) Description of Equipment and/or Protective System:

ZNJ.X series junction boxes consist of an aluminium alloy body and cover. The terminals are mounted inside a flameproof enclosure.

Technical Parameters

Rated voltage of terminals	: 500 V Max.
Rated frequency	: 50/60 Hz
Rated current of terminals	: 20 A Max.
Rated cross section of terminals	: 2,5 mm ²
Current density of terminals and cables wiring	: 8 A/mm ²
Degree of protection of enclosures	: IP 66
Ambient temperature	: -20°C to +55°C

Identification of Type Codes

ZNJ- . -

Type of hole thread	<u>12</u> for ½" NPT (M16x1,5)	
	<u>34</u> for ¾" NPT (M20x1,5)	
Number of ways	2, 3, 4, 5, 6, 7, 8	
Number of diameter	No	Number of Diameter
	<u>65.X</u>	65 mm diameter
	<u>105.X</u>	105 mm diameter
	<u>150.X</u>	150 mm diameter
	<u>105T.X</u>	105 mm diameter

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CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA21ATEX117X

16) **Test and Assessment Report** B/2021-02-040/Rp.02

17) **Special Conditions for Safe Use (X):**

The cable glands used for cable entries and plugs for unused holes on equipment must have to following parameters and certification:

- "Ex db IIB Gb and Ex tb IIIC Db " protection according to EN IEC 60079-0, EN 60079-1, EN 60079-31
- Minimum degree of protection IP 66 according to EN 60529
- Threaded entry size shall be in accordance with technical file and technical drawings

Notes for manufacturing and operation

Not subject to routine overpressure testing. (According to EN 60079-1:2014 article 15.2.3.2 "4 times the reference pressure for enclosures not subject to routine overpressure testing").

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-J-21/Rev.00 dated 12.02.2021 includes drawings, safety, maintenance and mounting instructions.

Drawing No	Title	Pages	Rev.	Date
Z-01NJ-1-01	General assembly	1	00	01.02.2021
Z-01NJ-1-02	Dimensions	1	00	01.02.2021
Z-01NJ-1-03	ZNJ.65.X body	1	00	01.02.2021
Z-01NJ-1-04	ZNJ.65.X cover	1	00	01.02.2021
Z-01NJ-1-05	ZNJ.105.X body	1	00	01.02.2021
Z-01NJ-1-06	ZNJ.105.X cover	1	00	01.02.2021
Z-01NJ-1-07	ZNJ.150.X body	1	00	01.02.2021
Z-01NJ-1-08	ZNJ.150.X cover	1	00	01.02.2021
Z-01NJ-1-09	ZNJ.105T.X body	1	00	01.02.2021
Z-01NJ-1-10	ZNJ.105T.X cover	1	00	01.02.2021

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