"MINPROEKT" JSC

CERTIFICATE

[1] **EC-TYPE-EXAMINATION CERTIFICATE**
(Translation)

[2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC

[3] **EC-type-examination Certificate Number: №: MP 16 ATEX 0185 X**

[4] **Product (Equipment or protective system): "Junction box, type Junction Box Ex-J-n"**

[5] Applicant: **"ESIT ELEKTRONIK SISTEMLERI IMALAT VE TIC.LTD.STI"**

[6] Address: Nisantepe Mah. Gelin Cicegi Sk. № 36 Cekmekoy 34794/Istanbul/, Turkey

[5] Manufacturer: **"ESIT ELEKTRONIK SISTEMLERI IMALAT VE TIC.LTD.STI"**

[6] Address: Nisantepe Mah. Gelin Cicegi Sk. № 36 Cekmekoy 34794/Istanbul/, Turkey

[7] This product (equipment or protective system) and any acceptable variation thereto are specified in details in the schedule to this certificate and the documents therein referred to.

[8] Minproekt JSC, notified body No.1877 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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, specified in Annex II of the Directive.
The examination and test results are recorded in:

Confidential **Test report No. 12/13.04.2016**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012; EN 60079-11:2012; EN 60079-31:2009.

[10] If the sign "X" is placed after the certificate number, it indicates that this equipment or protective system is subject to special conditions for save use, specified in the schedule to this certificate.

[11] This EC-type-examination Certificate relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 94/9/EC.
This certificate does not cover the requirements of the Directive on the forthcoming procedures relating to the production process and the delivery of the product.

[12] The marking of the equipment or protective system shall include the following:

II 2 G Ex i_a IIC T6 Gb

II 2 D Ex t_b [i_a] IIIC T85^{0}C IP67 Db **-40^{0}C≤T_a≤+40^{0}C**

This certificate does not authorize the manufacturer or his authorized representative to affix the CE mark followed by the identification number of the Notified Body as well as the marketing and / or use.

This certificate is valid till 19.04.2021

Sofia, 2016-04-19

Executive Director:
/dipl. eng H. Hubenov/

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[13] Schedule

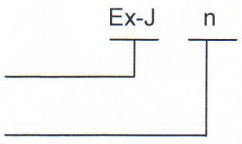
[14] EC-type-examination certificate No. MP 16 ATEX 0185 X (Translation)

[15] Characteristics of the type, subject to the examination

1. Technical description
"Junction box, type Junction Box Ex-J-n" consists of a housing and a cover. It is made of aluminum alloy. Cable entries can be place in the junction box - from one to eight (according to the manufacturer's instructions).

2. Technical data of the product

2.1. Type designation



2.2. Technical data of the Junction box
- voltage: U_i = 14,28 V (between excitation inlets: + EXC and – EXC)
- current: I_i = 729 mA;
- power: P_i = 1,3 W;
- operating temperature range – 40 ^{0}C + 40 ^{0}C

3. Application field
"Junction box, type Junction Box Ex-J-n" is designed to collect electrical signals from the load cells for industrial scales located in the premises and hazardous areas where there is a likelihood of formation of a potentially explosive atmosphere and transmit them to the indicators.

[16] Test report No 12/13.04.2016

[17] Special requirements for safety use – "Junction box, type Junction Box Ex-J-n" is designed for working temperature range -40^{0}C≤T_a≤+40^{0}C, different from the standard. .

[18] Essential requirements

18.1. According to Directive 94/9/EC and the manufacturer instructions, the product is not allowed in Zone 0 and zone 20.

18.2. Other essential safety requirements are covered by the standards pointed in [9].

[19] List of the technical dossier parts

19.1. Technical description
19.2. Production standards and steps for manufacturing the junction box, type Ex-J-n
19.3 Brief working principle of the junction box, type Ex-J-n
19.4. Cables for installation of load cells to the junction box
19.5. Constructional documentation containing: Drawings №№ 1/3, 2/3, 3/3, drawing of a printed circuit board, assembly drawing of a printed circuit board and wiring diagram.
19.6 List of the harmonized standards (in the Production standards and steps for manufacturing the junction box, type Ex-J-n
19.7. Presented certificates: Certificate for used terminals - KEMA 01 ATEX 2130 U
19.8. Additional information presented:.
- technical data for discharge tubes series CG/CG2;
- technical data used resistors;
- technical data used trimmers;
- technical data terminals used;

Sofia, 2016-04-19

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