

CERTIFICATE

Issued to:

Applicant:

AN-EL Anahtar ve Elektrikli Ev Aletleri San. A.S.
Tepeoren ITOSB Mahallesi, 3. Cadde 4
34959 Tuzla, Türkiye

Licensee:

AN-EL Anahtar ve Elektrikli Ev Aletleri San. A.S.
Tepeoren ITOSB Mahallesi, 3. Cadde 4
34959 Tuzla, Türkiye

Product : rotary switches
Trade name(s) : AN-EL
Type(s)/model(s) : I05, I20 and I30

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 61058-1-1:2016 and EN IEC 61058-1:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2151398

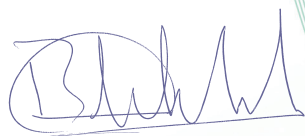
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This certificate is issued on 14 January 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-112132 REV.4

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: rotary switches
Trade name(s)	: AN-EL
Type(s)/model(s)	: I05, I20 and I30
Type reference	: common type (C.T.)
Type of switch	: incorporated
Ratings	: 16 A; 250 V~ 10 A; 400 V~
Pattern nos.	: special design
Circuit to be controlled	: resistive
Temperature limit	: T150
Contact opening	: full disconnection
Frequency of operation	: 10.000 operating cycles (16 A; 250 V~) 30.000 operating cycles (10 A; 400 V~)
Class	: for class II appliances
Degree of protection	: IP00
Degree of pollution	: macro PD2 micro PD2
Insulating material	: material group I, tracking resistance (600 V) material group IIIa, tracking resistance (250 V)
Resistance to ignitability by glow wire temperature	: 850 °C
Rated impulse withstand voltage	: 2500 V
Material group	: I or IIIa
Terminals	: tab terminals (6,3 X 0,8 mm)
Description	: body of thermoplastic material
Markings	: moulded on the body

List of components

Component	Manufacturer/ Trade name	Type/Model	Approval mark ¹⁾
Material group IIIa	Epsan	Eplon 66GV0 25BK Q1C5D001	tested as part of component
Material group I	BASF	Ultramid A3X2G5(f2)(r)	UL E41871 and tested as part of component

¹⁾ * indicates a component tested as part of the appliance

Product data – type I05

Number of circuits : 5

Product data – type I20

Number of circuits : 9

Product data – type I30

Number of circuits : 13

TESTS**Test requirements**

EN 61058-1-1:2016

EN IEC 61058-1:2018

Test result

The test results are documented in DEKRA test file 227518400, 229447500.

Additional information

The maximum load for each contact is 10 A or 16 A.

The maximum total load for the contacts with combined input is 10 A or 16 A.

Additional tests according to Clause 30 of EN 60335-1:2012 and its amendments are performed with positive results.

Resistance to ignition by glow wire temperature: insulation material around connections within an area of 3,0 mm

- Glow-wire test 750 °C; no flame

- Glow-wire test 850 °C; flame, if any, extinguished within 30 seconds after removal of the glow-wire tip.

This certificate replaces certificate No. 71-112132 REV.3 which we hereby declare invalid.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

AN-EL Anahtar ve Elektrikli Ev Aletleri San. A.S.

Tepeoren ITOSB Mahallesi, 3. Cadde 4

34959 Tuzla, Türkiye

Annex Tracking Sheet:

Original Certificate: Dated 9 January 2020
Carried out under DEKRA project No. 2242923.00

REV.1: Dated April 13, 2023
- Adding of type I05
Carried out under DEKRA project No. 2275028.00

REV.2: Dated May 10, 2023
Replaces certificate 71-112132 REV.1 dated 18 April 2023 to include
-alternative material Epsan, EPLON 66 GV0 25BK Q1C5D001
Carried out under DEKRA project 2275184.00

REV.3: Dated May 31, 2023
Replaces certificate 71-112132 REV.2 dated 10 May 2023
-adding the different material with their material group I and IIIa
Carried out under DEKRA project 2275184.00

REV.4: Latest version
Replaces certificate 71-112132 REV.3 dated 31 May 2023
-adding type I30
Carried out under DEKRA project 2294475.00