

CERTIFICATE

Issued to:
Applicant:
Elektron Technology UK Ltd.
Broers Building, JJ Thomson Avenue
Cambridge CB3 0FA, Great Britain

Manufacturer/Licensee:
Elektron Technology UK Ltd.
Broers Building, JJ Thomson Avenue
Cambridge CB3 0FA, Great Britain

Products : push-button switches
Trade names : ARCOLECTRIC, BULGIN, ELEKTRON
Types/models : 8200, 8300

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

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

- a type test according to the standard EN 61058-1:2002 + A2:2008
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2162433

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

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

This certificate is issued on: 6 November 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2187156.04

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: push-button switches
trade name	: ARCOLECTRIC, BULGIN, ELEKTRON
types	: 8200, 8300
type reference	: common type (C.T.)
type of switch	: incorporated
ratings	: - 16(4) A / 250 V~, T85, 1E4 - 12(12) A / 250V~, T105, 1E4 (only when 3 rd suffix is "H") - 12(2) A / 250 V~, T105, 1E4 - 8(8) A / 250 V~, T105, 5E4 - 6(6) A / 250 V~, T125, 5E4 - 200 μ A / 5Vdc
pattern nos.	: 1 and 2
circuit codes	: 1.2 and 1.3
circuit to be controlled	: resistive and motor
temperature limits	: T85, T100, T105 or T125
contact opening	: full disconnection
frequency of operation	: 10.000 or 50.000 operating cycles
class	: for class II appliances
degree of protection	: IP00
degree of pollution	: 2
insulating material	: tracking resistant (250 V)
category to heat and fire	: 850 °C
rated impuls withstand voltage	: 2500 V
material group	: IIIa
terminals	: tab terminals (4,8 x 0,8 mm and 6,3 x 0,8 mm), PCB and solder terminals
series resistor of pilot lamp	: 220 K Ω
description	: body and actuating member of thermoplastic material
markings	: trade name, type reference, electrical ratings and temperature limit on the body

8200 Series Type Key

- . 8200
1) 2) 3) 4) 5)
- 1) Terminal reference, any letter A - Z
 - 'A' Right angled 4,8 x 0,8 mm tab
 - 'C' 6,3 x 0,8 mm tab
 - 'H' 4,8 x 0,8 mm tab
 - 'M' Right angled printed circuit board double pin
 - 'K' Alternative solder tag
 - 'T' Solder tag
 - 'V' Printed circuit board double pin
 - 'X' Printed circuit board pin
 - 2) Type reference
 - 8200 - Single pole ON/OFF Alternate action
 - 8201 - Single pole ON/OFF Momentary action
 - 8250 - Double pole ON/OFF Alternate action
 - 8251 - Double pole ON/OFF Momentary action
 - 3) Actuator reference, any letter A – Z
 - 4) Body reference, any letter A – Z
 - 5) Extra rating reference
 - "H" 12(12)A / 250 V~, T105, 1E4

8300 Series Type Key

. 8300

1) 2) 3) 4) 5)

1) Terminals reference, any letter A - Z

- 'A' Right angled 4,8 x 0,8 mm tab
- 'C' 6,3 x 0,8 mm tab
- 'H' 4,8 x 0,8 mm tab
- 'K' Alternative solder tag
- 'M' Right angled printed circuit board double pin
- 'T' Solder tag
- 'V' Printed circuit double pin
- 'X' Printed circuit board pin

2) Type reference

- 8300 - Single pole ON/OFF Alternate action
- 8301 - Single pole ON/OFF Momentary action
- 8303 - Single pole ON/OFF Illuminated Alternate action
- 8304 - Single pole ON/OFF Illuminated Momentary action
- 8350 - Double pole ON/OFF Alternate action
- 8351 - Double pole ON/OFF Momentary action
- 8353 - Double pole ON/OFF Illuminated Alternate action
- 8354 - Double pole ON/OFF Illuminated Momentary action
- 8355 - Single pole ON/OFF Alternate action and additional contact for 1mA/250V neon indicator connected only when the switch is in the ON position.
- 8356 - Single pole ON/OFF Alternate action and additional contact for 1mA/250 V neon indicator connected to the terminals at all times
- 8357 - Single pole ON/OFF Momentary action and additional contact for 1mA/250 V neon indicator connected to the terminals at all times

3) Actuator reference, any letter A - Z

- 'A' Rectangular
- 'B' Circular
- 'C' Square raised
- 'D' Circular
- 'E' Oval button
- 'F' Extended button

4) Body reference, any letter A - Z

- 'B' 19.1/19.8 X 13.0

5) Extra rating reference

- "H" 12(12)A / 250 V~, T105, 1E4

TESTS**Test requirements**

EN 61058-1:2002 + A2:2008

Test result

The test results are laid down in DEKRA test file 2187156.04.

Remarks

This certificate replaces our certificate 2164433.01 dated June 11, 2013 and is also based on the results of that certificate.

According to Annex V, this switch can be incorporated in unattended household appliances, which fall under the scope of EN 60335-1:2012.

Conclusion

The examination proved that all test requirements were met.

Tested by : B.A. Nan

Checked by : E. Stoel

**Factory location**

Elektron Tunisie
13 Rue 62128 Zone Industrielle, IBN Khaldoun
2042, CITE ETTAHRIR, Tunisia