



No.235DOC-0125

Doc No.	D2B064
	D5B104

## EU Declaration of Conformity

Identification of the Product	φ 16 Miniature Control Units
Name and address of Manufacturer IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-Ku, Osaka 532-0004 Japan	Name and address of the authorized representative : APEM SAS 55, Avenue Edouard Herriot BP1, 82303 Caussade Cedex, France

**This declaration of conformity is issued under the sole responsibility of the manufacturer.**

**Object of the declaration :** Series Name – A6 Series

Model No. – Details are as per attached sheet

**The object of the declaration described above is in conformity with the relevant EU harmonization legislation :**

2014/35/EU

Low Voltage Directive

2011/65/EU and (EU)2015/863

Restriction of the use of certain hazardous substances  
(RoHS) Directive

**Applied Union harmonized legislation and references to the relevant harmonization standards used or references the other technical specifications in relation to which conformity is declared.**

EN 60947-5-1/A1:2009

EN 60529:1991/A2:2013 (for Grip Switch Housing)

EN 50581:2012

**Where applicable, the notified body**

**Additional Information :**

**Signed for and on behalf of the above named manufacturer :**

Place and date of issue :

Japan, 20 April, 2016

Name, function :

Japan, 20 July, 2020 (Revised)

Masaki Tsuru, Executive Officer

Quality Assurance Center

Signature :

*Masaki Tsuru*

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## A\*6 Series Type Designation

(1) Pushbutton switches

<u>A</u>	<u>B</u>	<u>6</u>	<u>M</u>	-	<u>M</u>	<u>2</u>	<u>V</u>	<u>P</u>	<u>M</u>	<u>R</u>	_	*****
1	2	3	4		5	6	7	8	9	10	11	12

- 1 Series      A
- 2 Function      B - Non-illuminated pushbutton switch
- 3 Mounting hole      6 -16mm diam.
- 4 Bezel configuration
  - M -Round
  - Q -Square
  - H -Rectangular
  - G -Rectangular with guard
- 5 Operation
  - M -Momentary
  - A -Alternate
- 6 Contact configuration
  - 1 -1C
  - 2 -2C
- 7 Terminal configuration
  - None -Solder terminal
  - V -PWB terminal
- 8 Degree of protection
  - None - IP40
  - P - IP65
- 9 Operator shape
  - None -Flush
  - M -Mushroom
  - Q -Large square
  - H -Large rectangular



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10 Button/Lens color

- R -Red (Button color)
- G -Green (Button color)
- B -Black (Button color)
- Y -Yellow (Button color)
- W -White (Button color)
- S -Blue (Button color)
- LR -Red (Lens color)
- LG -Green (Lens color)
- LA -Amber (Lens color)
- LY -Yellow (Lens color)
- LW -White (Lens color)
- LS -Blue (Lens color)

-TK868-5\*-One built-in t0.1 color film between the clear lens and the marking plate

Note) \* : Lens color : LR, LG, LY, LA, LS, LW

11 Country of origin

- None - made in Japan
- C - made in China

12 Manufacturer Control No.

\*\*\*\*\* - any suffix

(2) Illuminated Pushbutton switches

A L 6 Q - M 1 1 V P R \_\_\_\_\_ \*\*\*\*\*  
 1 2 3 4 5 6 7 8 9 10 11 12

1 Series A

2 Function

- L -Illuminated pushbutton switch

3 Mounting hole

- 6 -16mm diam.

4 Bezel configuration

- M -Round
- Q -Square
- H -Rectangular
- G -Rectangular with guard

5 Operation

- M -Momentary
- A -Alternate

6 Contact configuration

- 1 -1C
- 2 -2C



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7 Applicable lamp rating

- 1 -LED lamp, 5V DC (operational voltage, 5V DC)
- 2 -LED lamp, 6V DC (operational voltage, 6V DC)
- 3 -LED lamp, 12V DC (operational voltage, 12V DC)
- 4 -LED lamp, 24V DC (operational voltage, 24V DC)

8 Terminal configuration

- None -Solder terminal
- V -PWB terminal

9 Degree of protection

- None -IP40
- P -IP65

10 Button color

- R -Red
- G -Green
- Y -Yellow
- A -Amber
- S -Blue
- W -White
- JW -Pure White

11 Country of origin

- None - made in Japan
- C - made in China

12 Manufacturer Control No.

\*\*\*\*\* - any suffix

(3) Selector switches

A S 6 M - 2 1 Y 2 V P    \_\_\_    \_\_\_    \*\*\*\*\*  
1 2 3 4 5 6 7 8 9 10 11 12 13

1 Series    A

2 Function

S - Selector switch

3 Mounting hole

6 -16mm diam.

4 Bezel configuration (may be followed)

- M -Round
- Q -Square
- H -Rectangular



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5 Operator positions (may be followed)

- 2 -2 positions
- 3 -3 positions

6 Return direction (may be followed)

- None -Maintained
- 1 -Spring return from right
- 2 -Spring return from left
- 3 -Spring return 2way (3 positions type only)

7 Operator configuration

- Y -Non-illuminated, knob operator
- K -Non-illuminated, key operator with plastic rotor
- KT -Non-illuminated, key operator with metal rotor
- KS -Non-illuminated, key operator with wave-key

8 Contact configuration (may be followed)

- 1 -1C
- 2 -2C

9 Terminal configuration

- None -Solder terminal
- V -PWB terminal

10 Degree of protection

- None - IP40
- P - IP65

11 Key Retention Codes (only for key operator)

- A -Key not retained in any position
- B -Key retained in right position only
- C -Key retained in left position only
- D -Key retained in left and right
- E -Key retained in center only
- G -Key retained right and center
- H -Key retained left and center

12 Country of origin

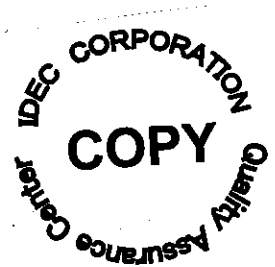
- None - made in Japan
- C - made in China

13 Manufacturer Control No.

- \*\*\*\*\* - any suffix

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(4) Pilot lights

<u>A</u>	<u>L</u>	<u>6</u>	<u>Q</u>	-	<u>P</u>	<u>2</u>	<u>V</u>	<u>P</u>	<u>R</u>	<u>  </u>	*****
1	2	3	4		5	6	7	8	9	10	11

- 1 Series           A
- 2 Function           L -Illuminated pushbutton switch
- 3 Mounting hole       6 -16mm diam.
- 4 Bezel configuration
  - M -Round
  - Q -Square
  - H -Rectangular
  - G -Rectangular with guard
- 5 Switch / Pilot light
  - P -Pilot light
- 6 Applicable lamp rating
  - 1 -LED lamp, 5V DC (operational voltage, 5V DC)
  - 2 -LED lamp, 6V DC (operational voltage, 6V DC)
  - 3 -LED lamp, 12V DC (operational voltage, 12V DC)
  - 4 -LED lamp, 24V DC (operational voltage, 24V DC)
- 7 Terminal configuration
  - None -Solder terminal
  - V -PWB terminal
- 8 Degree of protection
  - None -IP40
  - P -IP65
- 9 Button color
  - R -Red
  - G -Green
  - Y -Yellow
  - A -Amber
  - S -Blue
  - W -White
  - JW -Pure White
- TK868-6\* -One built-in t0.1 color film between the clear lens and the marking plate  
 Note) \* : Lens color : R, G, Y, A, S, W
- 10 Country of origin
  - None - made in Japan
  - C - made in China
- 11 Manufacturer Control No.
  - \*\*\*\*\* - any suffix



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(5) Grip Switch Housing

Types HE9Z-GSH51, HE9Z-GSH52

