



No.235DOC-0116

Doc No.	D2B012 D5B121
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EU Declaration of Conformity

Identification of the Product	φ 22 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 GmbH Heseltuecken 8, 22453 Hamburg, Germany
This declaration of conformity is issued under the sole responsibility of the manufacturer.	
Object of the declaration : Series Name - TW/TW-E 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	Restriction of the use of certain hazardous substances (RoHS) Directive

Applied Union harmonized legislation and references to the relevant harmonization standards used or references to the other technical specifications in relation to which conformity is declared.
EN 60947-5-1/A1:2009
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
Japan, 1 April, 2018 (Revised)
Name, function : Atsushi Matsumoto, Executive Officer,
Quality Assurance Center
Signature :

Atsushi Matsumoto



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Type designation for push button switches

A O L F W 1 B 23 6 S 11 D N N E R -12V MAU —
I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX

I. Degree of protection

A : IP 65
U : IP 40

II. Operator function

B : Non-illuminated pushbutton, momentary
O : Alternate
J : Push turn lock
K : Key On / Off lock
T : Lever / wobble stick
Y : Push-pull
Z : Pull
SB : Selector pushbutton
V : Push-lock turn reset
X : Push-lock key reset
None : Illuminated, momentary

III. Non-illuminated or illuminated

None : Non-illuminated type
L : Illuminated type

IV. Bezel shape

None : Round / Octagonal
F : Full shroud
G : Mushroom shroud / Half shroud
H : Square with round operator
Q : Square with square operator

V. Series

W : TW Series, Mounting hole: 22 mm
WD : TW Series (operator sleeve construction of die-cast zinc), Mounting hole: 22 mm

VI. Operator shape

1 : Flush / wobble stick
2 : Extended / Key operator
3 : Mushroom
4 : Jumbo mushroom / Lever operator

VII. Marking type lens

B : Marking type lens
None : Non-marking type lens



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VIII. Primary voltage

- 1 : 100/110 V or without transformer, 12 V for LED lamp
- 11 : 115 V
- 12 : 115/120 V
- 2 : 200/220 V or without transformer, 24 V for LED lamp
- 23 : 230 V
- 24 : 230/240 V
- 38 : 380 V
- 4 : 400/440 V
- 48 : 480 V
- 6 : Without transformer, 6 V
- 8 : Without transformer, 12 V for incandescent lamp
- 3 : Without transformer, 24 V for incandescent lamp
- 9 : Without transformer / without lamp
- None : Non-illuminated type

IX. Applicable lamp

- 6 : 6 V LED lamp / 6.3 V incandescent lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 2T : 28 V LED lamp
- 8 : 18 V incandescent lamp
- 3 : 30 V incandescent lamp
- 9 : Without lamp
- None : Non-illuminated type

X. Applicable transformer

- None : Type TW-T, TW-F, HW-L or HW-T

XI. Contact configuration (Applicable contact block)

- ** : Manufacturer Control No.

XII. Applicable lamp

- None : Incandescent lamp
- D : LED lamp

XIII. Series

- None : TW series

XIV. Terminal style

- None : Standard
- N : Finger safe(IP20)

XV. Ring Material

- None : Aluminum
- E : Plastic (Round and Full shroud bezel only)



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XVI. Lens color / button color

- B/B : Black
- R/R : Red
- G/G : Green
- GD/G may be followed by D : Green for LED lamp
- GL/G may be followed by L : Green for incandescent lamp
- Y/Y : Yellow
- A/A : Amber
- W/W : White
- S/S : Blue
- PW/PW: Pure White
- C/C : Transparence

XVII. Lamp operating voltage (apply VIII. Primary voltage 9 and IX. Applicable lamp 9)

- 6V : 6V AC/DC
- 12V : 12V AC/DC
- 24V : 24V AC/DC
- 120V : 120V AC/DC
- 240V : 240V AC/DC
- None : Without lamp

XVIII. Contact Material

- None : Silver Contact
- MAU : Gold plated silver contact

XIX. Manufacturer Control No. (May be followed)



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Type designation for selector switches

A S L H W 2 1 L 23 6 11 D N N B E - 304 - NO1 R - 12V - 110 - MAU -
I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX XX XXI XXII XXIII

I. Degree of protection

- A : IP 65
- U : IP 40

II. Operator function

- S : Selector

III. Non-illuminated or illuminated

- None : Non-illuminated type
- L : Illuminated type

IV. Bezel shape

- None : Round / Octagonal
- H : Square with round operator
- Q : Square with square operator

V. Series

- W : TW Series, Mounting hole: 22 mm
- WD : TW Series (operator sleeve construction of die-cast zinc), Mounting hole: 22 mm

VI. Position code for selector switches

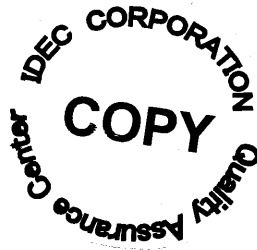
- 2 : 2 position
- 3 : 3 position
- 4 : 4 position
- 5 : 5 position

VII. Function code for selector switches

- None : Maintained
- 1 : Spring return from right
- 2 : Spring return from left
- 3 : 2-way spring return

VIII. Operator shape

- None : Knob handle
- L : Lever handle
- M : Round handle
- K : Key handle



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IX. Primary voltage

- 1 : 100/110 V or without transformer, 12 V for LED lamp
- 11 : 115 V
- 13 : 115/120 V
- 2 : 200/220 V or without transformer, 24 V for LED lamp
- 23 : 230 V
- 25 : 230/240 V
- 38 : 380 V
- 4 : 400/440 V
- 48 : 480 V
- 6 : Without transformer, 6 V
- 8 : Without transformer, 12 V for incandescent lamp
- 3 : Without transformer, 24 V for incandescent lamp
- 9 : Without transformer, without lamp
- None : Non-illuminated type

X. Applicable lamp

- 6 : 6 V LED lamp / 6.3 V incandescent lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 2T : 28 V LED lamp
- 8 : 18 V incandescent lamp
- 3 : 30 V incandescent lamp
- 9 : Without lamp
- None : Non-illuminated type

XI. Contact configuration (Applicable contact block)

- ** : Manufacturer Control No.

XII. Applicable lamp

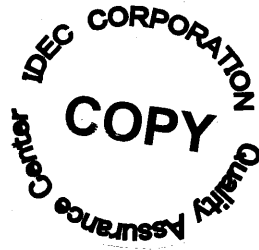
- None : Incandescent lamp
- D : LED lamp

XIII. Series

- None : TW series

XIV. Terminal style

- None : Standard
- N : Finger safe(IP20)



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XV. Key removable configuration for key selector

- B : Key is not removable in right position
- C : Key is not removable in left position
- D : Key is removable in center position (3-Position Type)
- E : Key is not removable in center position (3-Position Type)
- G : Key is removable in left position (3-Position Type)
- H : Key is removable in right position (3-Position Type)
- None : Key is removable in any maintained position

XVI. Ring Material

- None : Aluminum
- E : Plastic (Round bezel only)

XVII. Circuit Number

- None : Standard
- *** : Any suffixes

XVIII. Key Number

- None : Standard
- *** : Any suffixes

XIX. Handle color

- R/R : Red
- G/G : Green
- Y/Y : Yellow
- A/A : Amber
- W/W : White
- S/S : Blue
- PW/PW : Pure White
- None : Black handle with white cap or key handle

XX. Lamp operating voltage (apply IX. Primary voltage 9 and X. Applicable lamp 9)

- 6V : 6V AC/DC
- 12V : 12V AC/DC
- 24V : 24V AC/DC
- 120V : 120V AC/DC
- 240V : 240V AC/DC
- None : Without lamp

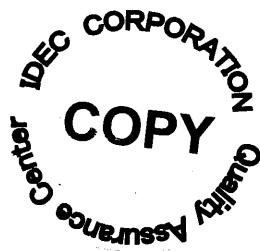
XXI. Circuit Number

- None : Standard
- *** : Any suffixes

XXII. Contact Material

- None : Silver Contact
- MAU : Gold plated silver contact

XXIII. Manufacturer Control No. (May be followed)



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Type designation for indicator light

A P H W 1 G B 23 6 D N E G
 I II III IV V VI VII VIII IX X XI XII XIII XIV

I. Degree of protection

- A : IP 65
- U : IP 40

II. Function

- P : Indicator light

III. Bezel shape

- None : Round / Octagonal
- H : Square with round operator
- Q : Square

IV. Series

- W : TW Series, Mounting hole: 22 mm
- WD : TW Series (operator sleeve construction of die-cast zinc), Mounting hole: 22 mm

V. Lens shape

- 1 : Flush
- 2 : Extended

VI. Lens material

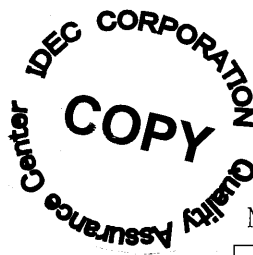
- None : Plastic
- G : Glass

VII. Marking type lens

- B : Marking type lens
- None : Non-marking type lens

VIII. Primary voltage

- 1 : 100/110 V
- 11 : 115 V
- 12 : 120 V
- 2 : 200/220 V or without transformer, 24 V for LED lamp
- 23 : 230 V
- 24 : 240 V
- 38 : 380 V HW-L only
- 4 : 400/440 V..... HW-L only
- 48 : 480 V HW-L only
- 6 : Without transformer, 6 V
- 1 : Without transformer, 12 V for LED lamp
- 8 : Without transformer, 12 V for incandescent lamp
- 2 : Without transformer, 24 V for LED lamp
- 3 : Without transformer, 24 V for incandescent lamp
- 9 : Without transformer / without lamp



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IX. Applicable lamp

- 6 : 6 V LED lamp / 6.3 V incandescent lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 2T : 28 V LED lamp
- 8 : 18 V incandescent lamp
- 3 : 30 V incandescent lamp
- 9 : Without lamp / without transformer

X. Lamp type

- None : Incandescent lamp
- D : LED lamp

XI. Series

- None : TW series

XII. Ring Material

- None : Aluminum
- E : Plastic (Round bezel only)

XIII. Lens color

- R : Red
- G may be followed by D : Green for LED lamp
- G may be followed by L : Green for incandescent lamp
- Y : Yellow
- A : Amber
- W : White
- S : Blue
- PW : Pure white

XIV. Manufacturer Control No. (May be followed)