



Doc No.

D2B099

D5B111

EU Declaration of Conformity

Identification of the Product

φ 22 Control Unit

Name and address of Manufacturer

IDEC CORPORATION

2-6-64 Nishimiyahara, Yodogawa-Ku,
Osaka 532-0004 Japan**Name and address of the authorized representative :**

IDEC ELEKTROTECHNIK 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 – HW 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

2011/65/EU

Low Voltage Directive

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 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, 21 July, 2017 (Revised)

Name, function :

Atsushi Matsumoto, Executive Officer,
Quality Assurance Center

Signature :



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Type Designation for final product

Pushbutton or Illuminated Pushbutton Switch

<u>HW</u>	<u>2</u>	<u>L</u>	-	<u>M</u>	<u>1</u>	<u>M</u>	-	<u>10</u>	<u>N1</u>	<u>H</u>	<u>2</u>	<u>R</u>	-	<u>12V</u>	-	<u>MAU</u>	-	<u>*****</u>
I	II	III		IV	V	VI	VII	VIII	IX	X	XI	XII		XIII		XIV		XV

I: Series HW

II: Bezel shape

- 1 ---- Round
- 2 ---- Square
- 3 ---- Round with square
- 4 ---- Round, metal type

III: Operator function

- B ---- Non-illuminated pushbutton
- L ---- Illuminated pushbutton

IV: Function

- M ---- Momentary
- A ---- Alternate
- MF ---- Momentary with full-guard
- AF ---- Alternate with full-guard

V: Operator shape

- 0 ---- Without lens unit, pushbutton unit
- 1 ---- Flush
- 2 ---- Extended
- 3 ---- Mushroom
- 4 ---- Jumbo mushroom
- 5 ---- Extra-Jumbo mushroom

VI: Bezel configuration

- M ---- Metal
- None ---- Plastic, black
- R ---- Plastic, red
- G ---- Plastic, green
- Y ---- Plastic, yellow
- S ---- Plastic, blue

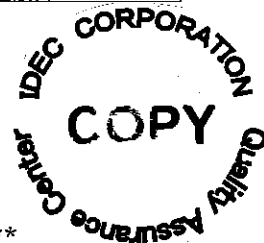
VII: Applicable contact block

- None ---- With HW-G, HW-U series contact block
- F ---- With HW-F, HW-U series contact block

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VIII: Contact configuration (Applicable contact block)

10 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 01 ---- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 20 ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 11 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 02 ---- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 30 ---- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 21 ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 12 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 03 ---- 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 40 ---- 4 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 31 ---- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 22 ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 13 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 04 ---- 4 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 1S ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
 2S ---- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
 5S ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
 6S ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
 7S ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
 8S ---- 2 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
 + 2 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
 9S ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact



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IX: Contact blocks and transformer mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

X: Applicable transformer

H ----- Type HW-L or HW-T or TW-F, primary voltage 100/110 V

H5 ----- Type HW-L or TW-F, primary voltage 115 V

H2 ----- Type HW-L or TW-F, primary voltage 120 V or
Type HW-T, primary voltage 115/120 V

M ----- Type HW-L or HW-T or TW-F, primary voltage 200/220 V

M3 ----- Type HW-L or TW-F, primary voltage 230 V

M4 ----- Type HW-L or TW-F, primary voltage 240 V or
Type HW-T, primary voltage 230/240 V

S ----- Type HW-L or TW-F, primary voltage 380 V

T ----- Type HW-L or TW-F, primary voltage 400/440 V

T8 ----- Type HW-L or TW-F, primary voltage 480 V

Q ----- Without transformer

None ----- Non-illuminated type operator

XI: Lamp operating voltage

0 ----- Without lamp

1 ----- LED lamp, 5 V

2 ----- LED lamp, 6 V

3 ----- LED lamp, 12 V

4 ----- LED lamp, 24 V

5 ----- Incandescent lamp, 6 V

6 ----- Incandescent lamp, 12 V

7 ----- Incandescent lamp, 24 V

8 ----- LED lamp, 120 V

9 ----- LED lamp, 240 V

D ----- apply XIII: Lamp operating voltage

None ----- Non-illuminated type operator

XII: Button color/Lens color

-B/B ----- Black

-R/R ----- Red

-G/G ----- Green

-Y/Y ----- Yellow

-A/A ----- Amber

-W/W ----- White

-S/S ----- Blue

-N/N ----- Gray

-PW/PW ----- Pure White

-WR/WR ----- Red color LED with white color Lens

-WG/WG ----- Green color LED with white color Lens

-WA/WA ----- Amber color LED with white color Lens

-WS/WS ----- Blue color LED with white color Lens



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XIII: Lamp operating voltage (apply XI: Lamp operating voltage D)

6V ----- 6 V AC/DC

12V ----- 12 V AC/DC

24V ----- 24 V AC/DC

120V ----- 120 V AC/DC

240V ----- 240 V AC/DC

XIV: Special Contact

MAU ----- Gold plated contact

None ----- Normal contact

XV: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

Selector Switch

HW 1 F - 2 J L - M - 10 N1 H 2 A R - 12 V - MAU - *****
I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX

I: Series HW

II: Bezel shape

1 ----- Round

3 ----- Round with square

4 ----- Round, metal type

III: Operator function

S ----- Selector

K ----- Key selector

F ----- Illuminated selector

IV: Function

2 ----- 2-position, maintained

21----- 2-position, spring return from right

22----- 2-position, spring return from left

3 ----- 3-position, maintained

31----- 3-position, spring return from right

32----- 3-position, spring return from left

33----- 3-position, 2-way spring return

4 ----- 4-position, maintained

5 ----- 5-position, maintained

V: Manufacturer's control code

J, S or None

VI: Operator shape

For Selector

None ----- Knob handle



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- L ----- Lever handle
- M ----- Round handle
- T ----- Knob handle with low profile bezel

For Key selector

- M ----- Applicable to Master key
- None ----- Not applicable to Master key and Pin tumbler
- P ----- Applicable to Pin tumbler

For Illuminated selector

- None ----- Knob handle with low profile bezel
- L ----- Lever handle

VII: Key removable configuration for key selector

- A ----- Key is removable in any maintained position
- 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)

VIII : Bezel configuration

- M ----- Metal
- None ----- Plastic, black
- R ----- Plastic, red
- G ----- Plastic, green
- Y ----- Plastic, yellow
- S ----- Plastic, blue

IX: Applicable contact block

- None ----- With HW-G, HW-U series contact block
- F ----- With HW-F, HW-U series contact block

X: Contact configuration (Applicable contact block)

- 10 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 20 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 30 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 21 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 12 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 03 ----- 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 40 ----- 4 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 31 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***



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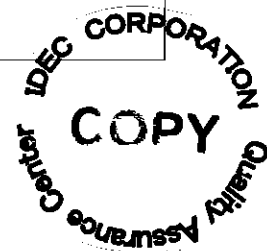
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22 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
13 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
04 ----- 4 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
1S ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
2S ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
5S ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
6S ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
7S ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
8S ----- 2 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***
 + 2 ' HW-G01R-***, HW-F01R-***, HW-C01R-*** or HW-U01R-***
9S ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
 + 1 ' HW-G10R-***, HW-F10R-***, HW-C10R-*** or HW-U10R-***

***:Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact

XI: Contact blocks and transformer mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

XII: Applicable transformer

H ----- Type HW-L or HW-T or TW-F, primary voltage 100/110V

H5 ----- Type HW-L or TW-F, primary voltage 115V

H2 ----- Type HW-L or TW-F, primary voltage 120V or

 Type HW-T, primary voltage 115/120V

M ----- Type HW-L or HW-T or TW-F, primary voltage 200/220V

M3 ----- Type HW-L or TW-F, primary voltage 230V

M4 ----- Type HW-L or TW-F, primary voltage 240V or

 Type HW-T, primary voltage 230/240V

S ----- Type HW-L or TW-F, primary voltage 380V

T ----- Type HW-L or TW-F, primary voltage 400/440V

T8 ----- Type HW-L or TW-F, primary voltage 480V

Q ----- Without transformer

None -----Non-illuminated type operator



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XIII: Lamp operating voltage

- 0 ----- Without lamp
- 1 ----- LED lamp, 5 V
- 2 ----- LED lamp, 6 V
- 3 ----- LED lamp, 12 V
- 4 ----- LED lamp, 24 V
- 5 ----- Incandescent lamp, 6 V
- 6 ----- Incandescent lamp, 12 V
- 7 ----- Incandescent lamp, 24 V
- 8 ----- LED lamp, 120 V
- 9 ----- LED lamp, 240 V
- D ----- apply XVI: Lamp operating voltage
- None ----- Non-illuminated type operator

XIV: Master key number for key selector

- A to Z ----- Any 1 alphabet
- None ----- Not applicable to Master key number

XV: Cap color for selector/Lens color for illuminated selector

For selector

- BR/BR ----- Black handle with Red cap
- BY/BY ----- Black handle with Yellow cap
- BG/BG ----- Black handle with Green cap
- BS/BS ----- Black handle with Blue cap
- BB/BB ----- Black handle with Black cap

For Illuminated selector

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

XVI: Lamp operating voltage (apply XIII: Lamp operating voltage D)

- 6 V ----- 6 V AC/DC
- 12 V ----- 12 V AC/DC
- 24 V ----- 24 V AC/DC
- 120 V ----- 120 V AC/DC
- 240 V ----- 240 V AC/DC

XVII: Subordinate key number for key selector

- # ----- Any number and/or letters
- None ----- Not applicable to Subordinate key number

XVIII: Special Contact

- MAU ----- Gold plated contact
- None ----- Normal contact

XIX: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.



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Selector pushbutton Switch

<u>HW</u>	<u>1</u>	<u>R</u>	—	<u>2</u>	<u>D</u>	<u>F</u>	<u>11</u>	<u>N1</u>	<u>R</u>	—	<u>MAU</u>	—	<u>*****</u>
I	II	III		IV	V	VI	VII	VIII	IX		X		XI

I: Series HW

II: Bezel shape

1 ----- Round
4 ----- Round, metal type

III: Operator function

R ----- Selector pushbutton

IV: Function

2 ----- 2-position

V: Special function (Manufacturer's control code)

A, C, D, E, F, G, N or T

VI: Applicable contact block

None ----- With HW-G, HW-U series contact block
F ----- With HW-F, HW-U series contact block

VII: Contact configuration (Applicable contact block)

10 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
20 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
30 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
21 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
12 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
03 ----- 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
40 ----- 4 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
31 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
22 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
13 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
04 ----- 4 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact



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VIII: Contact blocks mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

IX: Button color

-R/R -----Red
-B/B -----Black
-G/G -----Green
-Y/Y -----Yellow
-W/W -----White
-S/S -----Blue
-N/N -----Gray

X: Special Contact

MAU ----- Gold plated contact
None ----- Normal contact

XI: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

Monolever Switch

HW 1 M - L F 1 1 2 1 - 22 N1 - MAU - *****
I II III IV V VI VII VIII IX X XI XII XIII

I: Series HW

II: Bezel shape

1 ----- Round
4 ----- Round, metal type

III: Operator function

M ----- Monolever switch

IV: Lever mechanism

Blank -----Without-interlocking type
L ----- With-interlocking type

V: Applicable contact block

None ----- With HW-G, HW-U series contact block
F ----- With HW-F, HW-U series contact block

VI: Lever operational mode (Up position)

1 ----- Lever is maintained.
2 ----- Lever is spring returned.
0 ----- Lever is blocked.

VII: Lever operational mode (Right position)

1 ----- Lever is maintained.
2 ----- Lever is spring returned.
0 ----- Lever is blocked.



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VIII: Lever operational mode (Down position)

- 1 ----- Lever is maintained.
- 2 ----- Lever is spring returned.
- 0 ----- Lever is blocked.

IX: Lever operational mode (Left position)

- 1 ----- Lever is maintained.
- 2 ----- Lever is spring returned.
- 0 ----- Lever is blocked.

X: Contact configuration (Applicable contact block)

- 10 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 20 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 30 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 21 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 12 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 03 ----- 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 40 ----- 4 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 31 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 22 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 13 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 04 ----- 4 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact

XI: Contact blocks mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

XII: Special Contact

MAU ----- Gold plated contact

None ----- Normal contact

XIII: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.



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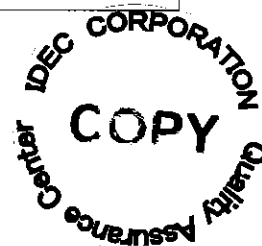
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Dual Push-button

<u>HW</u>	<u>7</u>	<u>D</u>	-	<u>B</u>	<u>1</u>	<u>1</u>	-	<u>10</u>	<u>01</u>	<u>Q</u>	<u>4</u>	<u>R</u>	<u>GR</u>	<u>1</u>	-	<u>MAU</u>	-	<u>*****</u>
I	II	III		IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV		XV		XVI

I: Series HW

II: Bezel shape

7 ----- Rectangular

III: Function

D ----- Double pushbutton

IV: Non-illuminated / illuminated

B ----- Non-illuminated push-button

L ----- Illuminated push-button

V: Operation mode

1 ----- Momentary

2 ----- Momentary with Interlock

3 ----- Maintain

VI: Operator shape

1 ----- Flush + Flush

2 ----- Flush + Extended

VII: Applicable contact block

None ----- With HW-G, HW-U series contact block

F ----- With HW-F, HW-U series contact block

VIII: Contact configuration (Upper)

00 ----- Without Contact

10 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

20 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact

IX: Contact configuration (Lower)

00 ----- Without Contact

10 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

20 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***

+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact



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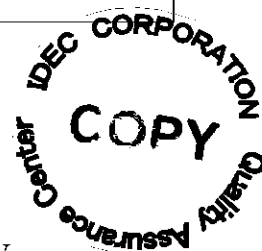
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X: Applicable transformer

H ----- Type HW-L or HW-T or TW-F, primary voltage 100/110 V
H5 ----- Type HW-L or TW-F, primary voltage 115 V
H2 ----- Type HW-L or TW-F, primary voltage 120 V or
Type HW-T, primary voltage 115/120 V
M ----- Type HW-L or HW-T or TW-F, primary voltage 200/220 V
M3 ----- Type HW-L or TW-F, primary voltage 230 V
M4 ----- Type HW-L or TW-F, primary voltage 240 V or
Type HW-T, primary voltage 230/240 V
S ----- Type HW-L or TW-F, primary voltage 380 V
T ----- Type HW-L or TW-F, primary voltage 400/440 V
T8 ----- Type HW-L or TW-F, primary voltage 480 V
Q ----- Without transformer
None ----- Non-illuminated type operator

XI: Lamp operating voltage

0 ----- Without lamp
1 ----- LED lamp, 5 V
2 ----- LED lamp, 6 V
3 ----- LED lamp, 12 V
4 ----- LED lamp, 24 V
5 ----- Incandescent lamp, 6 V
6 ----- Incandescent lamp, 12 V
7 ----- Incandescent lamp, 24 V
8 ----- LED lamp, 120 V
9 ----- LED lamp, 240 V
None ----- Non-illuminated type operator

XII: Lamp color

None --- Without lamp / Non-illuminated
R ----- Red LED
G ----- Green LED
Y ----- Yellow LED
A ----- Amber LED
W ----- White LED / Incandescent lamp
S ----- Blue LED
PW ----- Pure White

XIII: Button color (Upper position+ Lower position)

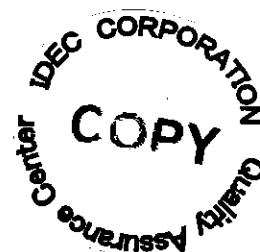
-G R / G R
*1 *2 *1 *2
*1: Upper position button color
*2: Lower position button color
G ----- Green
R ----- Red
W ----- White
B ----- Black
S ----- Blue
Y ----- Yellow



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XIV: Button Marking

- None - Without Marking
- 1 ---- "I" & "ON" / "O" & "OFF"
- 2 ---- "ON" / "OFF"
- 3 ---- "I" / "O"
- 4 ---- "START" / "STOP"

XV: Special Contact

- MAU ---- Gold plated contact
- None ---- Normal contact

XVI : Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

Pushlock Turn Reset or Pushlock Key Reset Switch

<u>HW</u>	<u>1</u>	<u>B</u>	-	<u>V</u>	<u>3</u>	<u>F</u>	<u>01</u>	<u>N1</u>	<u>Y</u>	-	<u>MAU</u>	-	<u>*****</u>
I	II	III		IV	V	VI	VII	VIII	IX		X		XI

I: Series HW

II: Bezel shape

- 1 ---- Round
- 4 ---- Round, metal type

III: Operator function

- B ---- Non-illuminated pushbutton

IV: Function

- V ---- Pushlock turn reset
- X ---- Pushlock key reset

V: Operator shape

- 3 ---- Mushroom
- 4 ---- Jumbo mushroom
- 5 ---- Extra-Jumbo mushroom

VI: Applicable contact block

- None ---- With HW-G, HW-U series contact block
- F ---- With HW-F, HW-U series contact block

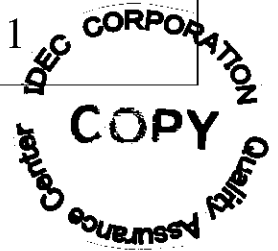
VII : Contact configuration (Applicable contact block)

- 10 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 01 ---- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 20 ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 11 ---- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 02 ---- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
- 30 ---- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
- 21 ---- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
+ 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***



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12 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
03 ----- 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
40 ----- 4 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
31 ----- 3 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
22 ----- 2 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
13 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 3 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
04 ----- 4 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***

***: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact

VIII: Contact blocks mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

IX: Button color

-Y/Y ----- Yellow

X: Special Contact

MAU ----- Gold plated contact

None ----- Normal contact

XI: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

Push-Pull Switch

<u>HW</u>	<u>1</u>	<u>B</u>	-	<u>Y</u>	<u>2</u>	<u>F</u>	<u>01</u>	<u>N1</u>	<u>Y</u>	-	<u>MAU</u>	-	<u>*****</u>
I	II	III		IV	V	VI	VII	VIII	IX		X		XI

I: Series HW

II: Bezel shape

1 ----- Round

4 ----- Round, metal type

III: Operator function

B ----- Non-illuminated pushbutton

IV: function

Y ----- Push-pull

V: Operator shape

2 ----- 2 positions maintained

VI: Applicable contact block

None ----- With HW-G, HW-U series contact block

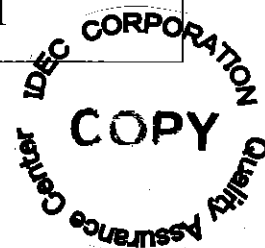
F ----- With HW-F, HW-U series contact block



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VII: Contact configuration (Applicable contact block)

01 ----- 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
11 ----- 1 ' HW-G10-***, HW-F10-***, HW-C10-*** or HW-U10-***
 + 1 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
02 ----- 2 ' HW-G01-***, HW-F01-***, HW-C01-*** or HW-U01-***
***: Material of the contact
None ---- Silver contact
MAU ---- Gold plated silver contact

VIII: Contact blocks mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

IX: Button color

-Y/Y ----- Yellow

X: Special Contact

MAU ----- Gold plated contact
None ----- Normal contact

XI: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.