



No.235DOC-0113

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 : APEM GmbH Heselstuecken 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 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 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 final product

Pushbutton or Illuminated Pushbutton Switch

HW 2 L - M 1 M - 10 N1 H 2 R - 12V - MAU - *****
 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 - 12V - 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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- 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

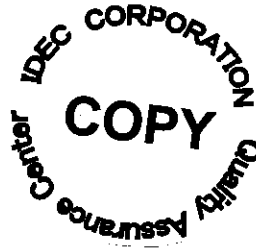
VII: Contact configuration (Applicable contact block)

- 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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Dual Push-button

HW 7 D - B 1 1 - 10 01 Q 4 R GR 1 - MAU - *****
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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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 ----- "T" & "ON" / "O" & "OFF"
- 2 ----- "ON" / "OFF"
- 3 ----- "T" / "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

HW 1 B - V 3 F 01 N1 Y - MAU - *****
 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

HW 1 B - Y 2 F 01 N1 Y - MAU - *****
 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.