CERTIFICATE OF COMPLIANCE

Certificate Number E68961
Report Reference E68961-19931208
Date 2020-November-26

Issued to: IDEC CORP
6-64 NISHIMIYAHARA 2-CHOME
YODOGAWA-KUOSAKA 532-0004 JP

This is to certify that
representative samples of
AUXILIARY DEVICES

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 508 and CSA C22.2 NO. 14-18, Industrial Control
Equipment

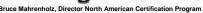**Additional Information:** See the UL Online Certifications Directory at
https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Pushbutton Switch or Illuminated Pushbutton Switch, Type HW, followed by 1, 2, 3 or 4, followed by B or L, followed by any suffixes.

Operator Unit for PushLock Turn Reset or Pushlock Key Reset Switch, Type HW, followed by 1, 2, 3 or 4, followed by B or L, followed by V or X, followed by 3, 4 or 5, followed by R or R-EMO, R-EMO-2, or Y, followed by any suffixes.

Dual Pushbutton switch - Type HW, followed by 7, followed by D, followed by any suffixes.

Selector Switch - Type HW, followed by 1, 3 or 4, followed by S, K or R, followed by any suffixes.

Mono-Lever Switch - Type HW, followed by 1 or 4, followed M, followed by any suffixes.

Operator Unit for Push-Pull Switch - Type HW, followed by 1 or 4, followed by B, followed by Y, followed by 2, followed by R or Y, followed by any suffixes.

Final Product for Pushlock Turn Reset or Pushlock Key Reset Switch - Type HW, followed by 1 or 4, followed by B, followed by V or X, followed by 3, 4 or 5, may be followed by F or C or P, followed by 01, 11, 02, 21, 12, 03, 31, 22, 13 or 04, may be followed by N1, N2, N3, N4, N5, N6, N7, N8 or N9, followed by R, R-EMO, R-EMO-2, or Y, may be followed by MAU, followed by any suffixes.

Final Product for Push-Pull Switch - Type HW followed by 1 or 4, followed by B, followed by Y, followed by 2, may be followed by F or C or P, followed by 01, 11 or 02, may be followed by N1, N2, N3, N4, N5, N6, N7, N8 or N9, followed by R or Y, may be followed by MAU, followed by any suffixes.

Pushbutton/Selector Switch – Series E - Type EC9D, EBN, EON, ETN, EBBN, EWQN, ESN and EB3P followed by any suffixes.

Contact unit, for Auxiliary Devices - Type HW, followed by -C, -F, -G or -U followed by B or L, followed by 10, 01, 11, 20, 21, 22, 02, 30, 12, 03, 40, 31, 13, 04, 50, 41, 32, 23, 14, 05, 60, 51, 42, 33, 24, 15, 06, 1S, 2S, 5S, 6S, 7S, 8S, 9S or other alphanumeric characters, may be followed by ******.

Push-in Terminal Type Contact unit for Auxiliary Devices, Type HW-CN, may be followed by P, followed by 10, 01, 11, 20, 21, 22, 02, 30, 12, 03, 40, 31, 13, 04, 50, 41, 32, 23, 14, 05, 60, 51, 42, 33, 24, 15, 06, 1S, 2S, 5S, 6S, 7S, 8S, 9S or other alphanumeric characters, may be followed by ******.

For Use With Manufacturer's Operator Units and/or Lamps

Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Transformer for Pilot Light, Types HW-R, HW-F, and HW-M, for use with Manufacturer's Operator Units and Lamps.

Pilot Light with or without Transformer, Type HW-P, HW1P-5Q4, HW1P-5Q7.

HW Series Alternate Designation

(1)   Contact block. Following the contact block model no. maybe followed by suffix "–MAU" for gold plated contacts.

HW-C10 - Normally open contact

HW-C01 - Normally closed contact with direct opening action

HW-C10R - Early make contact, normally open

HW-C01R - Late break contact, normally closed

HW-F10 - With finger protection, normally open contact

HW-F01 - With finger protection, normally closed contact with direct opening action

HW-F10R - With finger protection, early make contact, normally open

HW-F01R - With finger protection, late break contact, normally closed

HW-G10 - Normally open contact
HW-G01 - Normally closed contact with direct opening action
HW-G10R - Early make contact, normally open
HW-G01R - Late break contact, normally closed
HW-U10 – Normally open contact
HW-U01 – Normally closed contact with direct opening action
HW-U10R – Early make contact, normally open
HW-U01R – Late break contact, normally closed

Push-in terminal type contact block
HW-P10 – Normally open silver contact
HW-P01 – Normally closed silver contact with direct opening action
HW-P10R – Early make silver contact, normally open
HW-P01R – Late break silver contact, normally closed
HW-P10-MAU – Normally open gold-plated silver contact
HW-P01-MAU – Normally closed gold-plated silver contact with direct opening action
HW-P10R-MAU – Early make gold-plated silver contact, normally open
HW-P01R-MAU – Late break gold-plated silver contact, normally closed.

Push-in terminal type double contact block
HW-PW20 – 2 normally open silver contacts

CERTIFICATE OF COMPLIANCE

HW-PW02 – 2 normally closed silver contacts
HW-PW11 – 1 normally open silver contact and 1 normally closed silver contact
HW-PW2R0 – 2 Early make normally open silver contacts
HW-PW1R1 – 1 Early make normally open silver contact and 1 normally closed silver contact

The above contact block nos. may be followed by -MAU that means gold plated on the silver contact.

(2)   Dummy block

TW-DB
HW-DB
CW-DB

(3)   Transformer

for illuminated type switch
  TW   - With/without finger protection
  TWS - Half size, without finger protection
  HW-L - With finger protection and spring-up terminal
  HW-T - With finger protection and spring-up terminal

for pilot light
  HW-R - Without finger protection
  HW-F - With finger protection
  HW-M - With finger protection and spring-up terminal

(4)   Direct adapter
  TW-DA1 - Without finger protection
  TW-DA1F - With finger protection

Note) When 2 or 4 contact blocks are mounted, TW-DA1 or TW-DA1F is applied.

HW-DA1 - Without finger protection
HW-DA1F - With finger protection
Note: When 1 or 3 contact blocks are mounted, HW-DA1 or HW-DA1F is applied.
HW-GA1 - With finger protection and spring-up terminal
HW-GA1N – With finger protection and spring-up terminal
HW-PAQ2 – 6V ac/dc, 0.5 W, Push-in terminal type direct LED unit
HW-PAQ3 – 12V ac/dc, 0.5 W, Push-in terminal type direct LED unit
HW-PAQ4 – 24V ac/dc, 1 W, Push-in terminal type direct LED unit
HW-DP – up to 240V ac/dc LED Lamp applied, Push-in terminal type direct adapter

(5)   Lamp

CERTIFICATE OF COMPLIANCE

Certificate Number	E68961
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LED Lamp

LSPD-6D - Lamp rating: 6 V dc,   0.5 W
LSPD-6 - Lamp rating: 6 V ac,   0.5 W
LSPD-1 - Lamp rating: 12 V ac/dc, 0.5 W
LSPD-2 - Lamp rating: 24 V ac/dc, 0.5 W
LSTD-6 - Lamp rating: 6 V ac/dc, 0.5 W
LSTD-1 - Lamp rating: 12 V ac/dc, 0.5 W
LSTD-2 - Lamp rating: 24 V ac/dc, 0.5 W
LSTD-H2 – Lamp rating: 115/120 V ac, 2 VA max.
LSTD-M4 – Lamp rating: 230/240 V ac, 3 VA max.
LSTDB-2 – Lamp Rating: 24 Vac/dc,   0.5 W
LSED-H – Lamp Rating: 100/120 V ac/dc, 1 W
LSED-M3 – Lamp Rating: 230/240 V ac/dc, 1 W
LSRD-6 - Lamp rating: 6 V ac/dc, 0.5 W
LSRD-1 - Lamp rating: 12 V ac/dc, 0.5 W
LSRD-2 - Lamp rating: 24 V ac/dc, 0.5 W
LSRD-H2 – Lamp rating: 100/120 V ac/dc, 1 W
LSRD-M2 – Lamp rating: 200/220 V ac/dc, 1 W
LSRD-M4 – Lamp rating: 230/240 V ac/dc, 1 W
EB9Z-LDS1 (for model EB3P) - Lamp rating: 12 V dc, 10 mA max. used with external 0.9kΩ min. resistor

Incandescent Lamp

LS-6 - Lamp rating: 6.3 V, 1 W
LS-8 - Lamp rating: 18 V, 1 W
LS-2 - Lamp rating: 24 V, 1 W
LS-3 - Lamp rating: 30 V, 1 W
LSB-2 – Lamp Rating: 28 V, 0.17 A

(6)   Connecting Units

HW-CB1 - For non-illuminated type switch, when one contact block is stacked
HW-CB2 - For non-illuminated type switch, when two (2) or more contact blocks are stacked
HW-CBL - For non-illuminated type switch
HW-CN(P) – For push-in terminal type switch

Contact block(s), and/or direct adapter (with or without lamp) or direct LED unit may be mounted on the connecting unit and may be followed by some alphanumerical suffixes to specify that.

The type nos. of the above component parts may be suffixed to denote Manufacturer Control No. which does not affect the construction.

Bruce Mahrenholz, Director North American Certification Program

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