

# Zertifikat

mit überwachter Konformität

# Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*  
J 50118599

Blatt *Page*  
0001

Ihr Zeichen *Client Reference*  
J7046

Unser Zeichen *Our Reference*  
ZO-SHY- 09561114 012

Ausstellungsdatum  
21.02.2008

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
IDEC CORPORATION  
1-7-31 Nishi-Miyahara  
Yodogawa-ku, Osaka  
532-8550 JAPAN

**Fertigungsstätte *Manufacturing Plant***  
IDEC CORPORATION  
Kyoto Plant  
20 Ohari, Kotari  
Nagaokakyo-shi, Kyoto  
617-0833 JAPAN

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*

EN 60947-5-1:2004



Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

Control Switch

Type Designation (Final product): LW ab-c defghijk-l-m-n  
a - n = (see Appendix 1)

10

Contact Material : Ag Ag with Au alloy  
Utilization Category: AC-12 DC-12 DC-12 AC-12 DC-12  
Operational Voltage : 250V 125V 30V 125V 30V  
Operational Current : 3,0A 0,4A 2,0A 0,1A 0,1A  
Rated Conditional Short-Circuit Current: 50A  
Pollution Degree : 3, (2 inside enclosure)  
Overvoltage Category: II  
Ambient temperature : -5°C to +40°C  
IP degree : IP65 or IP40

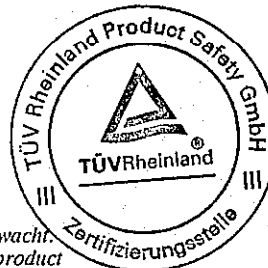


Remark: Reissue of J 9551801.

The labelling requirements acc. to EU Directive 2001/95  
have to be observed for distribution within the EEA.

10

ANLAGE (Appendix): 1



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above-mentioned-requirements, the production is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Dipl.-Ing. M. Geiser

**Zertifikat**      *Certificate*  
mit überwachter Konformität *of surveyed conformity*

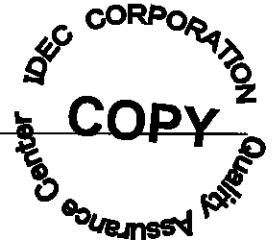


Zertifikat Nr. *Certificate No.*      Blatt *Page*  
J 50118599      0002

Ihr Zeichen *Client Reference*      Unser Zeichen *Our Reference*      Ausstellungsdatum      *Date of Issue*  
12-306-035N      ZJL-AHA- 09561114 012      15.03.2012      (day/mo/yr)

**Genehmigungsinhaber** *License Holder*  
IDEC CORPORATION  
1-7-31 Nishi-Miyahara  
Yodogawa-ku, Osaka  
532-8550 JAPAN

**Fertigungsstätte** *Manufacturing Plant*  
IDEC CORPORATION  
Takino Plant  
355-18 Kuroishi, Kohtaka  
Kato-shi, Hyogo  
679-0221 JAPAN



Prüfzeichen *Test Mark*      Geprüft nach *Tested acc. to*  
      EN 60947-5-1:2004

**TÜVRheinland**

**Zertifiziertes Produkt** (*Geräteidentifikation*)  
*Certified Product* (*Product Identification*)

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

Control Switch, as page 0001

Change  
Factory : IDEC CORPORATION  
Kyoto Plant  
20 Ohari, Kotari, Nagaokakyo-shi, Kyoto  
617-0833 JAPAN

withdrawn

Addition  
Factory : (see above)



**Zertifizierungsstelle**

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

  
**Dipl.-Ing. (FH) J. Taylor**

**Zertifikat**      *Certificate*  
mit überwachter Konformität *of surveyed conformity*




Zertifikat Nr. *Certificate No.*      Blatt *Page*  
J 50118599      0003

Ihr Zeichen *Client Reference*      Unser Zeichen *Our Reference*      Ausstellungsdatum      *Date of Issue*  
11-306-095      ZK-RYK- 09561114 013      13.09.2012      (*day/mo/yr*)

**Genehmigungsinhaber** *License Holder*  
IDEC CORPORATION  
1-7-31 Nishi-Miyahara  
Yodogawa-ku, Osaka  
532-8550 JAPAN

**Fertigungsstätte** *Manufacturing Plant*  
IDEC CORPORATION  
Takino Plant  
355-18 Kuroishi, Kohtaka  
Kato-shi, Hyogo  
679-0221 JAPAN

Prüfzeichen *Test Mark*      Geprüft nach *Tested acc. to*  
      EN 60947-5-1:2004+A1

Zertifiziertes Produkt (*Geräteidentifikation*)  
*Certified Product*      (*Product Identification*)

Lizenzentgelte - Einheit  
*License Fee - Unit*

Control Switch, as page 0001

Change  
Test Requirement : EN 60947-5-1: 2004  
changed to : (see above)

Addition

Operational current: 5A (Ag contact, 250V, AC-12)  
5A (Ag contact, 30V, DC-12)

Rated Conditional Short-Circuit Current : 100A



ANLAGE (Appendix): 1.1

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Zertifizierungsstelle

Dipl.-Ing. (FH) J. Taylor

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 <http://www.tuv.com/safety>


**Zertifikat**      *Certificate*  
mit überwachter Konformität *of surveyed conformity*



Zertifikat Nr. *Certificate No.*      Blatt *Page*  
J 50118599      0004

Ihr Zeichen *Client Reference*      Unser Zeichen *Our Reference*      Ausstellungsdatum      *Date of Issue*  
13-306-024N      ZJL-MTS- 09561114 013      14.06.2013      (*day/mo/yr*)

Genehmigungsinhaber *License Holder*      Fertigungsstätte *Manufacturing Plant*  
IDEC CORPORATION      IDEC CORPORATION  
2-6-64 Nishi-Miyahara      Takino Plant  
Yodogawa-ku, Osaka      355-18 Kuroishi, Kohtaka  
532-0004 JAPAN      Kato-shi, Hyogo  
679-0221 JAPAN

Prüfzeichen *Test Mark*      Geprüft nach *Tested acc. to*  
      EN 60947-5-1:2004+A1

Zertifiziertes Produkt (*Geräteidentifikation*)      Lizenzentgelte - Einheit  
*Certified Product*      (*Product Identification*)      *License Fee - Unit*  
Control Switch, as page 0001


Change  
Address of License Holder: 1-7-31 Nishi-Miyahara  
Yodogawa-ku, Osaka  
532-8550 JAPAN  
changed to:      (see above)



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
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Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

  
Dipl.-Ing. (FH) J. Taylor

# Zertifikat

mit überwachter Konformität

# Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*  
J 50118599

Blatt *Page*  
0005

Ihr Zeichen *Client Reference*  
20-306-032N

Unser Zeichen *Our Reference*  
ZK-- 09561114 013

Ausstellungsdatum  
24.09.2020

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
IDEC CORPORATION  
2-6-64 Nishi-Miyahara  
Yodogawa-ku, Osaka  
532-0004 Japan

**Fertigungsstätte *Manufacturing Plant***  
IDEC CORPORATION  
Minamiyama Plant  
1-33 Haze, Issai-cho,  
Tatsuno-shi, Hyogo  
679-4017 Japan

**Prüfzeichen *Test Mark***



**Geprüft nach *Tested acc. to***

EN 60947-5-1:2004+A1

**Zertifiziertes Produkt *(Geräteidentifikation)***  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

Control Switch, as page 0001

Addition

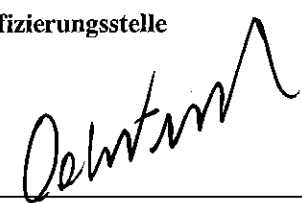
Factory: (see above)



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
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**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

  
Adrian Fuentes

**Constructional Data Form (EN 60947-5-1)**

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Type designation for final product (Operator unit + Contact unit with/without lamp)

LW 2 L -M    E 1 C 2 7 V R - - - \*\*\*\*\*  
 a    b    c            d    e    f    g    h    i    j    k    l    m            n

## Series LW

## a) Bezel Shape (may be followed)

- 1 - Round
- 2 - Square
- 3 - Round with square
- 5 - Rectangular
- 6 - Round flat bezel
- 7 - Square flat bezel
- 6M - Round flat bezel Metal type
- 6G - Round Flat bezel with switch guard
- 7G - Square flat bezel with switch guard

## b) Operator function (may be followed)

- B - Non-illuminated pushbutton
- L - Illuminated pushbutton
- S - Selector
- F - Illuminated selector
- K - Keylock selector
- P - Indicator light
- J - Illuminated Keylock selector

## c) Function (may be followed)

- M - Momentary
- A - Alternate
- 2 - 2-position maintained
- 21- 2-position spring return from right
- 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
- None - Indicator light or  
with Type LW1L-ME2-TK \*, LW2L-ME2-TK \* or LW5L-ME2-TK \* operator unit

## d) Degree of Protection (may be followed)

- None - IP65 or  
with Type LW1L-ME2-TK \*, LW2L-ME2-TK \* or LW5L-ME2-TK \* operator unit
- E - IP40



TÜV Rheinland

Osaka, Japan


September 7, 2012

(Place)

(Date)

IDEC CORPORATION



 2012-09-10   
 (Date) (Signature)

(Stamp and Signature of Applicant)

**Constructional Data Form (EN 60947-5-1)**

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## e) Operator Shape (may be followed)

- 1 - Flush
- 2 - Extended
- 3 - Mushroom
- None - Selector, Illuminated selector, Keylock selector, Illuminated Keylock selector or with Type LW1L-ME2-TK \*, LW2L-ME2-TK \* or LW5L-ME2-TK \* operator unit
- L - Lever handle for selector

## f) Switch Unit

- C - with LW-C Series switch unit
- None - Indicator light, Short body type or with Type LW1L-ME2-TK \*, LW2L-ME2-TK \* or LW5L-ME2-TK \* operator unit

## g) Contact configuration

- 0 - No contacts
- 1 - 1C(gold-overlaid silver contacts)
- 2 - 2C(gold-overlaid silver contacts)
- 3 - 3C(gold-overlaid silver contacts)
- 5 - 1C(silver contacts)
- 6 - 2C(silver contacts)
- 7 - 3C(silver contacts)
- None - Pilot light, Short body type

## h) Applicable lamp

- 0 - Illuminated type switch, without lamp
- 1 - LED lamp, lamp rating (=Operational voltage) 5V
- 2 - LED lamp, lamp rating (=Operational voltage) 6V
- 3 - LED lamp, lamp rating (=Operational voltage) 12V
- 4 - LED lamp, lamp rating (=Operational voltage) 24V
- 5 - Incandescent lamp, lamp rating 6.3V, Operational voltage 6V
- 6 - Incandescent lamp, lamp rating 18V, Operational voltage 12V
- 7 - Incandescent lamp, lamp rating 30V, Operational voltage 24V
- None - Non-illuminated type operator

## i) Terminal Configuration (may be followed)

- None - Solder / Tab terminal
- V - for PWB terminal
- M - Screw terminal



TÜV Rheinland

Osaka, Japan

September 7, 2012

(Place)

(Date)

IDEC CORPORATION

 2012-09-10 *R. Kawasumi*  
 (Date) (Signature)

*T. Shiraishi*  
 (Stamp and Signature of Applicant)



TÜVRheinland®  
DIN CERTCO

Certificate No.: J 50118599  
Our reference: ZK-RYK-09561114 013  
Appendix No.: 1.1



TÜVRheinland®

**Constructional Data Form (EN 60947-5-1)**

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j) Button Color / Lens Color (may be followed by two colors)

- B - Black
- R - Red
- G - Green
- 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
- LB - Black (For Non-illuminated pushbutton with lens)
- LR - Red (For Non-illuminated pushbutton with lens)
- LG - Green (For Non-illuminated pushbutton with lens)
- LY - Yellow (For Non-illuminated pushbutton with lens)
- LA - Amber (For Non-illuminated pushbutton with lens)
- LW - White (For Non-illuminated pushbutton with lens)
- LS - Blue (For Non-illuminated pushbutton with lens)
- WR - Red color LED with white color Lens
- WG - Green color LED with white color Lens
- WA - Amber color LED with white color Lens
- WS - Blue color LED with white color Lens
- None - Selector or Keylock selector



k) Key removable configuration for keylock selector or Illuminated Keylock selector (may be followed)

- 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)

TÜV Rheinland

Osaka, Japan

September 7, 2012

(Place)

(Date)

2012-09-10 *R. Kawasaka*  
(Date) (Signature)

IDEC CORPORATION

*T. Shirashi*  
(Stamp and Signature of Applicant)



**Constructional Data Form (EN 60947-5-1)**

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l) Subordinate key number for keylock selector or Illuminated Keylock selector (may be followed)

501 to 999 - Any 3 digits

None - Not applicable to subordinate key number

m) Terminal Configuration (may be followed)

BC - PWB Terminal with Connector and PWB

n) Manufacturer control number (may be followed)

Additional letters and/or numbers



TÜV Rheinland

Osaka, Japan


September 7, 2012

(Place)

(Date)

2012-09-10   
(Date) (Signature)

IDEC CORPORATION

  
(Stamp and Signature of Applicant)