



Doc No.

D2B172
D5B024

EU Declaration of Conformity

Identification of the Product	φ 30 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 : IDEC ELEKTROTECHNIK 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 – TWN/TWND 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, 5 January, 2017 Japan, 21 July, 2017 (Revised)
Name, function :	Atsushi Matsumoto, Executive Officer, Quality Assurance Center
Signature :	

Atsushi Matsumoto



Doc No.	D2B172
	D5B024

5 January, 2017
 10 October, 2017 (Revised)
 Page 1 of 8



Type designation for pushbutton switches

ABD 1 ※ 01 N R - MAU - ※※※※※※※※※※※※※※※※
 I II III IV V VI VII VIII

I. Operator Function

- | | |
|-----------------------------|--------------------------------------|
| ①ABN : Momentary | ②AB□D : Diecast /Momentary |
| ③AON : Alternate | ④AO□D : Diecast/ Alternate |
| ⑤AJN : Push Turn Lock | ⑥AJD : Diecast/ Push Turn Lock |
| ⑦AVN : Push Lock Turn Reset | ⑧AVD : Diecast/ Push Lock Turn Reset |
| ⑨AYN : Push Pull | ⑩AYD : Diecast/ Push Pull |
| ⑪AZN : Pull | ⑫AZD : Diecast/ Pull |
- None : Round F : Full Shroud G : Half Shroud

II. Operator Shape (may be followed)

- | | |
|----------------------------------|-----------------------------|
| 1 : Flush (apply ① - ④) | 2 : Extended (apply ① - ④) |
| 3 : Mushroom (apply ① - ⑫) | 31 : Mushroom (apply ⑨ - ⑩) |
| 4 : Jumbo Mushroom (apply ① - ④) | 8P : Pin Lock (apply ②) |

III. Bezel Shape (may be followed)

- None : Round (apply ① - ⑫) F : Full Shroud (apply ① and ③)
 G : Half Shroud (apply ① and ③)

IV. Contact Configuration (may be followed)

- apply ① - ⑧, ⑪ - ⑫
- | | | | | |
|---------------|---------------|--------------|---------|---------|
| 10 : 1a | 01 : 1b | 11 : 1a + 1b | 20 : 2a | 02 : 2b |
| 21 : 2a + 1b | 12 : 1a + 2b | 30 : 3 a | 03 : 3b | |
| 31 : 3a + 1b | 22 : 2a + 2b | 13 : 1a + 3b | 40 : 4a | 04 : 4b |
| 1S : 1a + 1a※ | 2S : 1b + 1b※ | | | |
- 3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.
- | | | |
|--------------------------|--------------------|----------------|
| 5S : 1a + 1a※ + 1b + 1b※ | 6S : 2a + 1a※ + 1b | 7S : 1a※ + 1b※ |
| 8S : 2a※ + 2b※ | 9S : 1a + 1a※ + 2b | 2R : 1a※ + 1b※ |
| 4R : 2a※ + 2b※ | | |
- apply ⑨ - ⑩
- | | | |
|----------------|---------------|---------------|
| 11 : 1a + 1b | 20 : 2a | 02 : 2b |
| 7S : 1a※ + 1b※ | 1S : 1a + 1a※ | 2S : 1b + 1b※ |

a※ : Early Make Contact

b※ : Late Break Contact



Doc No.	D2B172 D5B024
---------	------------------

5 January, 2017
10 October, 2017 (Revised)
Page 2 of 8



V. Mounting Hole Size(may be followed)
N : 30mm (apply ②, ④ - ⑫)

VI. Button Color (may be followed)

B : Black R : Red G : Green Y : Yellow W : White S : Blue
T : Brown O : Orange Z3 :Blue - Green DR : Dark Red DG : Dark Gray

VII.Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

VIII. Manufacturer Control No. (may be followed)

*****: Any Suffixes

Type designation for illuminated pushbutton switches

ALN 2 66 11 D N ** - MAU - *****
I II III IV V VI VII VIII IX

I. Operator Function

①AL□N : Momentary	②AL□D :Diecast/Momentary
③AOL□N : Alternate	④AOL□D : Diecast/ Alternate
⑤AJLN : Push Turn Lock	⑥AJLD : Diecast/ Push Turn Lock
⑦AVLN : Push Lock Turn Reset	⑧AVLD : Diecast/ Push Lock Turn Reset
□ None : Round	F : Full Shroud G : Half Shroud

II. Operator Shape (may be followed)

2 : Extended (apply ① - ④) 3 : Mushroom (apply ① - ⑧)

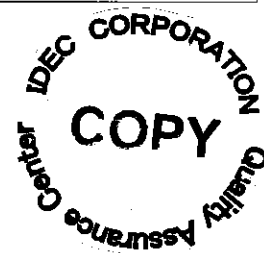
III.Operating Voltage (may be followed)

66 : 6V Full voltage	11 : 12V Full voltage	22 : 24V Full voltage
16 : 100/110V AC Transformer	136 : 115/120V AC Transformer	
26 : 200/220V AC Transformer	256 : 230/240V AC Transformer	
386 : 380V AC Transformer	46 : 400/440V AC Transformer	
486 : 480V AC Transformer		



Doc No.	D2B172 D5B024
---------	------------------

5 January, 2017
 10 October, 2017 (Revised)
 Page 3 of 8



IV. Contact Configuration (may be followed)

10 : 1a	01 : 1b	11 : 1a + 1b	20 : 2a	02 : 2b
21 : 2a + 1b	12 : 1a + 2b	30 : 3a	03 : 3b	
31 : 3a + 1b	22 : 2a + 2b	13 : 1a + 3b	40 : 4a	04 : 4b
1S : 1a + 1a*	2S : 1b + 1b*			

3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.
 5S : 1a + 1a* + 1b + 1b* 6S : 2a + 1a* + 1b 7S : 1a* + 1b*
 8S : 2a* + 2b* 9S : 1a + 1a* + 2b 2R : 1a* + 1b*

a* : Early Make Contact b* : Late Break Contact

V. Applicable Lamp (may be followed)

D : LED lamp

VI. Mounting Hole Size (may be followed)

N : 30mm

VII. Lens Color / Button Color (may be followed)

B : Black	R : Red	G : Green
Y : Yellow	A : Amber	W : White
S : Blue	PW : Pure White	C : Clear

VIII. Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

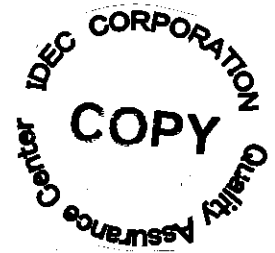
IX. Manufacturer Control Number (may be followed)

*****: Any Suffixes



Doc No.	D2B172
	D5B024

5 January, 2017
 10 October, 2017 (Revised)
 Page 4 of 8



Type designation for selector switches

ASD 2 L 10 N B - *** - NO1 - MAU - XXXXXXXXXXXXXXXXXXXX
 I II III IV V VI VII VIII IX X

I. Operator Function

ASN : Selector ASD : Diecast / Selector

II. Function Code for Selector Switches (may be followed)

2 : 90° 2 position / Maintained 21 : 90° 2 position / Spring return form right
 22 : 90° 2 position / Spring return form left 3 : 45° 3 position / Maintained
 31 : 45° 3 position / Spring return form right 32 : 45° 3 position / Spring return form left
 33 : 45° 3 position / Spring return Two-way

III. Operator Shape (may be followed)

None : Knob Handle
 L : Lever Handle
 M : Round Handle
 K : Key Handle

IV. Contact Configuration (may be followed)

10 : 1a	01 : 1b	11 : 1a + 1b	20 : 2 a	02 : 2b
21 : 2a + 1b	12 : 1a + 2b	30 : 3a	03 : 3b	
31 : 3a + 1b	22 : 2a + 2b	13 : 1a + 3b	40 : 4a	04 : 4b
1S : 1a + 1a※	2S : 1b + 1b※			

2S/3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.
 5S : 1a + 1a※ + 1b + 1b※ 6S : 2a + 1a※ + 1b 7S : 1a※ + 1b※
 8S : 2a※ + 2b※ 9S : 1a + 1a※ + 2b 2R : 1a※ + 1b※
 4R : 2a※ + 2b※

a※ : Early Make Contact b※ : Late Break Contact

V. Mounting Hole Size

N : 30mm



Doc No.	D2B172
	D5B024

5 January, 2017
 10 October, 2017 (Revised)
 Page 6 of 8



III. Operating Voltage (may be followed)

- | | | |
|------------------------------|-------------------------------|-----------------------|
| 66 : 6V Full voltage | 11 : 12V Full voltage | 22 : 24V Full voltage |
| 16 : 100/110V AC Transformer | 136 : 115/120V AC Transformer | |
| 26 : 200/220V AC Transformer | 256 : 230/240V AC Transformer | |
| 386 : 380V AC Transformer | 46 : 400/440V AC Transformer | |
| 486 : 480V AC Transformer | | |

IV. Contact Configuration (may be followed)

- | | | | | |
|---|--------------------|----------------|----------|---------|
| 10 : 1a | 01 : 1b | 11 : 1a + 1b | 20 : 2 a | 02 : 2b |
| 21 : 2a + 1b | 12 : 1a + 2b | 30 : 3 a | 03 : 3b | |
| 31 : 3a + 1b | 22 : 2a + 2b | 13 : 1a + 3b | 40 : 4a | 04 : 4b |
| 1S : 1a + 1a* | 2S : 1b + 1b* | | | |
| 2S/3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted. | | | | |
| 5S : 1a + 1a* + 1b + 1b* | 6S : 2a + 1a* + 1b | 7S : 1a* + 1b* | | |
| 8S : 2a* + 2b* | 9S : 1a + 1a* + 2b | 2R : 1a* + 1b* | | |
| 4R : 2a* + 2b* | | | | |

a* : Early Make Contact b* : Late Break Contact

V. Applicable Lamp (may be followed)

D : LED lamp

VI. Mounting Hole Size (may be followed)

N : 30mm

VII. Lens Color / Button Color (may be followed)

- | | | |
|------------|-----------------|-----------|
| B : Black | R : Red | G : Green |
| Y : Yellow | A : Amber | W : White |
| S : Blue | PW : Pure White | C : Clear |

VIII. Circuit number

None : Standard *** : Special specifications

IX. Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

X. Manufacturer Control No. (may be followed)

***** : Any Suffixes



Doc No.	D2B172
	D5B024

5 January, 2017
 10 October, 2017 (Revised)
 Page 7 of 8



Type designation for selector pushbutton switches

ASBD 2 L 10 N - A03 B - MAU - XXXXXXXXXXXXXXXXXXXX
 I II III IV V VI VII VIII IX

I. Operator Function

ASBN : Selector Pushbutton ASBD : Diecast / Selector Pushbutton

II. Function Code for Selector Switches (may be followed)

2 : 90° 2 position / Maintained

III. Operator Shape (may be followed)

None : Ring Handle L : Lever Handle

IV. Contact Configuration (may be followed)

11 : 1a (a※) + 1b (b※) 20 : 2a (a※) 02 : 2b (b※)
 22 : 2a (a※) + 2b (b※) 40 : 4a (a※) 04 : 4b (b※)
 a※ : Early Make Contact b※ : Late Break Contact

V. Mounting Hole Size (may be followed)

N : 30mm

VI. Circuit Code (may be followed)

A※※ - Circuit A B※※ - Circuit B C※※ - Circuit C
 D※※ - Circuit D E※※ - Circuit E F※※ - Circuit F
 G※※ - Circuit G H※※ - Circuit H K※※ - Circuit K

VII. Lens Color / Button Color (may be followed)

B : Black R : Red G : Green
 Y : Yellow A : Amber W : White
 S : Blue PW : Pure White C : Clear

VIII. Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

IX. Manufacturer Control No. (may be followed)

XXXXXXXXXXXXXXXXXXXX: Any Suffixes



Doc No.	D2B172
	D5B024

5 January, 2017
 10 October, 2017 (New)
 Page 8 of 8



Type designation for Pilot Lights

APN 1 66 D N R - XXXXXXXXXXXXXXXXXXXX
 I II III IV V VI VII

I. Type

- ①APN : Plastic Type / IP65 / BA9S Base
- ②APNE : Plastic Type / IP65 / E12 Base
- ③APD : Die-cast Type / IP65 / BA9S Base
- ④APDE : Die-cast Type / IP65 / E12 Base
- ⑤UPQN: Plastic Type / IP40 / BA9S Base
- ⑥UPQNE: Plastic Type / IP40 / E12 Base

II. Operator Shape (may be followed)

- 1 : Dome (apply ① - ④)
- 3B : Square (apply ⑤)
- 4 : Rectangle (apply ⑤, ⑥)

III. Operating Voltage (may be followed)

Direct Voltage

- 99 : Without Lamp
- 66 : 6V AC/DC 11 : 12V AC/DC 22 : 24V AC/DC

With transformer with Lamp

- 16 : 100/110V AC 126 : 115/120V AC
- 26 : 200/220V AC 246 : 240V AC
- 386 : 380V AC 46 : 400/440V AC 486 : 480V AC

With transformer without Lamp

- 19 : 100/110V AC 129 : 115/120V AC
- 29 : 200/220V AC 249 : 240V AC
- 389 : 380V AC 49 : 400/440V AC 489 : 480V AC

IV. Lamp (may be followed)

- D : LED

V. Mounting Hole (may be followed)

- N : 30mm (apply ① - ④)

VI. Lens Color (may be followed)

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

VII. Manufacturer Control No. (may be followed)

XXXXXXXXXXXXXXXXXXXX: Any Suffixes