



Product Service

CERTIFICATE

No. B 013332 0220 Rev. 02

Holder of Certificate: IDEC CORPORATION

2-6-64 Nishimiyahara, Yodogawa-Ku
Osaka
532-0004 JAPAN

Certification Mark:



Product:

**Switches
Emergency Stop Switches**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 73583552-03

Valid until: 2025-10-11

Date, 2021-11-08

(Shigehisa Ishikawa)



CERTIFICATE

No. B 013332 0220 Rev. 02

Model(s): YW series

Nomenclature:

YW 1 L - 4 E 1 1 Q 3 R xxxxxx
I II III IV V VI VII VIII IX X XI

I. Basic Model Designation:

YW or FW: YW series

II. Configuration of Actuator:

1: Round

III. Function:

B: Non-illuminated
L: Illuminated

IV. Button Style:

4: Mushroom, \varnothing 40

V. Terminal Configuration:

E: Screw terminal

VI. Number of NO contact:

0 to 3

VII. Number of NC contact:

1 to 3

VIII. Input Style of Lamps:

Q: Direct
Blank: Non-illuminated

IX. Lamp Voltage:

Blank: Non-illuminated
0: None
2: LED Lamp, Rated 6 V AC / DC, 0.5 W
3: LED Lamp, Rated 12 V AC / DC, 0.5 W
4: LED Lamp, Rated 24 V AC / DC, 0.5 W
5: Incandescent Lamp, 6.3 V, 1 W
6: Incandescent Lamp, 18 V, 1 W
7: Incandescent Lamp, 30 V, 1 W
H: LED Lamp, Rated 100 / 120 V AC / DC, 2 W max.
H2: LED Lamp, Rated 100 / 110 V AC / DC, 2 W max.
M: LED Lamp, Rated 200 / 220 V AC / DC, 3 W max.
M3: LED Lamp, Rated 200 / 240 V AC / DC, 3 W max.
M4: LED Lamp, Rated 230 / 240 V AC / DC, 3 W max.

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X. Button Color:

- R or R-EMO*: Red
- N: Gray (Not suitable as emergency stop switch)
- Y: Yellow (Not suitable as emergency stop switch)
- B: Black (Not suitable as emergency stop switch)
- W: White (Not suitable as emergency stop switch)
- S: Blue (Not suitable as emergency stop switch)
- G: Green (Not suitable as emergency stop switch)

XI. Additional letter(s) and/or number(s) (Optional):

Manufacturer control number

Parameters:

Contacts:	1 to 3 for NC, 0 to 3 for NO. Total 3 contacts maximum
Conventional free air thermal current (I _{th}):	10 A
Impulse withstand voltage:	4.0 kV
Rated Insulation voltage (U _i):	600 V for Contact Block, 250 V for Lamps
Protection class:	II
Protection degree:	IP65 (for Panel Front) IP20 (for Contact Block)
Pollution degree:	3
Overvoltage category:	II
Conditional short circuit current:	1 kA
Mechanical durability:	250 000 cycles (900 cycles / hour)
Electrical durability:	100 000 cycles (900 cycles /hour)
Ambient Temperature Range:	-25 to 55 °C

Remark:

When installing/inserting the equipment all requirements of the mentioned test standards must be fulfilled.

Electrical Ratings

Rated Operational Voltage (U _e)		24 V	120 V	240 V	380 V
Rated Operational Current (I _e)	AC-12 (Resistive Load)	10 A	10 A	6 A	2 A
	AC-15 (Inductive A600)	10 A	6 A	3 A	1.9 A
	DC-12 (Resistive Load)	8 A	2.2 A	1.1 A	--
	DC-13 (Inductive R300)	4 A	1.1 A	0.55 A	--

Tested according to: EN 60947-5-5:1997/A2:2017

Form



Product Service

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

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Reference

Nomenclature

<u>YW</u>	<u>1</u>	<u>L</u>	-	<u>V</u>	<u>4</u>	<u>E</u>	<u>1</u>	<u>1</u>	<u>Q</u>	<u>3</u>	<u>R</u>	-	<u>XXXXXX</u>
I	II	III			IV	V	VI	VII	VIII	IX	X		XI

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Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

Test Report No. / Prüfbericht Nr.: 73583552-03

Name of Project manager / 2021-09-14
Name Projektleiter:
Takahiro Ohya

大天 孝弘



Place / Ort:
DEC CORPORATION

Name, seal and signature of Certificate Holder /
Name, Stempel und Unterschrift des Zertifikatinhabers:
Ryutaro Kido

Date / Datum: September 13, 2021

R. Kido