



Product Service

CERTIFICATE

No. B 013332 0520 Rev. 01

Holder of Certificate: IDEC CORPORATION

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

Certification Mark:



Product:

Switches
Three position enabling 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.: 73582765-04

Valid until: 2025-09-02

Date, 2024-01-09

(Shigehisa Ishikawa)



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Model(s): HE6B series

Nomenclature

HE6B - **M2** **1** **1** **U** **S** **H** **Y** - **TK2546** **xxxx**
I II III IV V VI VII VIII IX X

I. Basic Model Designation:

HE6B: HE6B series

II. Number of Contacts of 3 Position Switch:

M2: 2 contacts

III. Number of Contacts of Release Monitor Switch:

0: None

1: 1 contact

2: 2 contacts

IV. Number of Contacts of Push Monitor Switch:

0: None

1: 1 contact

2: 2 contacts

V. Terminal:

Blank: Solder terminal type or other (3 Position switch and Monitor switch)

V: Pin terminal type for PWB (3 Position switch and Monitor switch)

U: Solder terminal type or other (3 position switch) and Pin terminal type for PWB (Monitor switch)

VI. Flange Type:

Blank: Standard type

S: Short flange type

VII. Temperature:

Blank: Standard type

H: High Temperature type

VIII. Rubber Boot Material and Color:

Blank: Without rubber boot

Y: Silicon, Yellow

Y1: NBR/PVC polyblend, Yellow

Y3: NBR/EPDM polyblend, Yellow

B: Silicon, Black

B1: NBR/PVC polyblend, Black

B2: CR, Black

B3: NBR/EPDM polyblend, Black

N: Silicon, Gray

N1: NBR/PVC polyblend, Gray

N3: NBR/EPDM polyblend, Gray

IX. Special Specification:

Blank: Standard type

TK2546: PWB connector type, Short flange type

TK2546-1: Pin terminal type for Monitor switch, Short flange type

X. Manufacturer Control Number(s) and/or Letter(s) (Optional):

Additional letter(s) and/or number(s) may be included hyphens.

No effect on construction or performance.

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Electrical Ratings

Type of switch	Utilization category	Rated voltage (Ue)	Rated current (Ie)
3-position switch	AC-12	125 V	0.5 A
	DC-12	30 V	1 A
	DC-13	30 V	0.7 A
Monitor switch	AC-15	250 V	0.75 A
	DC-13	125 V	0.22 A
	DC-13	30 V	2.3 A
PWB connector	Maximum	30 V	1 A

Parameters:

Conventional free air thermal current (Ith):	3 A
Rated Insulation voltage (Ui):	125 V (3-position switch) 250 V (Monitor switch)
Rated impulse withstand voltage (Uimp):	1.5 kV (3-position switch) 2.5 kV (Monitor switch)
Protection class:	II
Protection degree:	IP40 (without rubber boot) or IP65 (with rubber boot)
Pollution degree:	3 (outside panel), 2 (inside panel)
Overvoltage category:	II
Conditional short circuit current:	50 A
Mechanical durability (position 1→2→1):	1 000 000 cycles
Mechanical durability (position 1→2→3→1):	100 000 cycles
Electrical durability:	100 000 cycles
Ambient Temperature Range:	-25 to 60 °C
Max. Ambient Temperature inside panel:	75 °C (High Temperature type only)
Max. Altitude:	3000 m

Tested according to: EN IEC 60947-5-8:2021
GS-ET-22:2016