



Product Service

# CERTIFICATE

No. B 013332 0265 Rev. 01

**Holder of Certificate:** IDEC CORPORATION

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

**Certification Mark:**



**Product:** Relays

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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 73584112

**Valid until:** 2027-06-26

**Date,** 2022-06-27

( Shigehisa Ishikawa )

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Model(s): **RU4, RU2, RU42, RU4S-Z, RU4V-Z Series**

## Nomenclature:

$\frac{\text{RU}}{1}$   $\frac{2}{2}$   $\frac{\text{S}}{3}$  -  $\frac{\text{Z}}{4}$  -  $\frac{\text{T}}{5}$   $\frac{\text{D}}{6}$   $\frac{\text{E}}{7}$  -  $\frac{\text{D24}}{8}$   $\frac{*}{9}$

- (1) Series:  
RU Type Relay
- (2) Number of poles:  
2: 2 pole  
4: 4 pole  
42: 4 pole twin contact
- (3) Terminal type:  
S: Soldering & plug-in type  
V: Printed wiring board type
- (4) Contact Type:  
Blank: Silver alloy, clad copper base with gold flashing for RU4 Type Relay  
Z: Silver alloy, clad copper base (without gold flashing) for RU4 Type Relay
- (5) Structure:  
Blank: Enclosure with latching lever & mechanical indicator  
T: Top flange enclosure  
N: Enclosure without latching lever & mechanical indicator  
C: Enclosure without latching lever & with mechanical indicator  
M: Enclosure with momentary lever & mechanical indicator
- (6) Additional Functions:  
Blank: With indicator light (non polarity)  
F: Without indicator light  
D: With indicator light & with a diode against surge voltage of DC coil (normal polarity)  
D1: With indicator light & With a diode against surge voltage of DC coil (reversed polarity)  
FD: Without indicator light & with a diode against surge voltage of DC coil (normal polarity)  
FD1: Without indicator light & with a diode against surge voltage of DC coil (reversed polarity)  
R: With indicator light & With CR circuit against surge voltage of AC coil  
FR: Without indicator light & With CR circuit against surge voltage of AC coil
- (7) Color of enclosure:  
Blank: Yellow, transparent  
E: Colorless, transparent
- (8) Operating coil:  
DC coil: 6 to 220V dc:  
(6, 9, 12, 24, 48, 100, 110, 125, 220 Vdc)  
(D6, D9, D12, D24, D48, D100, D110, D125, D220)  
AC coil: 6 to 240V ac 50/60Hz:  
(6, 12, 24, 48, 50, 100-110, 110-120, 200-220, 220-240 Vac)  
(A6, A12, A24, A48, A50, A100, A110, A200, A220)
- (9) Manufacturer Control Number (may be followed)  
Alphanumeric character(s) may be included hyphen(s)

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## Parameters:

Rating Coil:	6 to 220 V DC
	6 to 240 V AC, 50/60 Hz
Protection against moisture:	IP40
Operating temperature:	-55 to 55 °C
Operation range coil voltage:	80 to 110 %
Power consumption:	AC (approx.): 1.4 VA (50Hz)
	1.2 VA (60Hz)
	DC (approx.): 1.0 W

## Contact :

RU4: 250 V AC, 6 A (resistive load)  
0.8 A (inductive load)  
30 V DC, 6 A (resistive load)  
1.5 A (inductive load)  
AC-15 250 V AC, 3 A (cos PHI=0.3)  
DC-13 30 V DC, 1.5 A (T0.95=300ms)  
DC-13 30 V DC, 2.0 A (T0.95=150ms)

RU2: 250 V AC, 10 A (resistive load)  
5 A (inductive load)  
30 V DC, 10 A (resistive load)  
5 A (inductive load)  
AC-15 250 V AC, 6 A (cos PHI=0.3)  
DC-13 30 V DC, 1.5 A (T0.95=300ms)  
DC-13 30 V DC, 2.5 A (T0.95=150ms)

RU42: 250 V AC, 3 A (resistive load)  
0.8 A (inductive load)  
30 V DC, 3 A (resistive load)  
1.5 A (inductive load)

RU4S-Z,  
RU4V-Z: 250 V AC, 6 A (resistive load)  
0.8 A (inductive load)  
30 V DC, 6 A (resistive load)  
1.5 A (inductive load)

## Remark:

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

**Tested according to:** EN 61810-1:2015/A1:2020