

RU Series — General Purpose Relays

Key features of the RU series include:

- Non-polarized LED indicator standard
- Solder-free construction (spot welded, no solder points, lead-free)
- No internal wires
- Mechanical flag indicator standard
- Manual latching lever with color coding for AC or DC coil
- Available without latching lever (or with momentary check button)
- Snap-on marking plate standard
- Cadmium-free contacts RoHS compliant
- Color coded coils for visual distinction
- Contact rating 6A: 4PDT 10A: DPDT





UL Recognized IIS File No. E66043, Vol 8, sec. 1 Vol 8, sec. 2



B020813332451



CSA Certified File No. LR35144-135844



Ordering Information

Consult factory for other voltages.

Basic Part No. Coil Voltage: RU 4 S -()-D12

of Contacts -2 = DPDT

4 = 4PDT42 = 4PDT bifurcated contacts

(Blank) = with latching check

D110 = 110V DC A24 = 24V AC

A110 = 110-120V AC

D12 = 12V DC

D24 = 24V DC

A220 = 220-240V AC

Coil Voltage Code**

button C = without check button

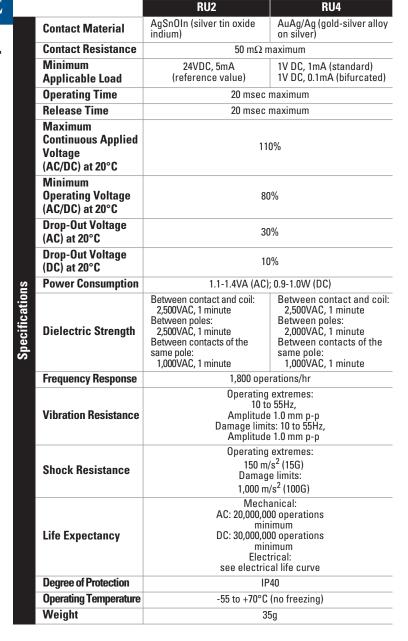
M = momentary check button

D = surge suppression diode (DC coils only)



Option* -

- 1. *All come with bi-polar LED, mechanical flag indicator, marking plate.
- 2. **Contact IDEC for other voltages.



IDEC Relays

Part Numbers

Part Numbers: RU Series with Options

Termination		Contact Configuration	Standard	Without Latching Lever	With Momentary Check Button	With Diode*
	Standard	DPDT	RU2S	RU2S-C	RU2S-M	RU2S-D
S: Solder/plugin	Standard	4PDT	RU4S	RU4S-C	RU4S-M	RU4S-D
	Bifurcated	4PDT	RU42S	RU42S-C	RU42S-M	RU42S-D



*DC coils only.

Part Numbers: Sockets

Relays	Spring Clamp DIN Rail Mount	Standard DIN Rail Mount	Finger-Safe DIN Rail Mount	Panel Mount	PC Mount
RU2S	SU2S-11L	SM2S-05	SM2S-05C	SY4S-51	SY4S-61
RU4S	SU4S-11L	SY4S-05	SY4S-05C	0140-01	SY4S-62

Springs & Clips (optional)				
Part Number	Use With			
SFA-101① SFA-202② SY4S-02F1③	use with SY4S-05, -05C SM2S-05, -05C SU4S-11L, SU2S-11L			
SFA-301① SFA-302② SY4S-51F1③	use with SY4S-51, -61			



See Section F for details on sockets. All DIN rail mount sockets shown above can be mounted using DIN rail BNDN1000.

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- ① Top latch
- 2 Side latch
- ③ Pullover spring

Part Numbers: Marking Strip

Item	Part Number	Quantity
RU Marking Strip	RU9Z-P®PN10,	10 pieces per package



In place of 1, insert color code from chart at right.

Marking Strip Color Code

Color	Code	Color	Code
Yellow*	Υ	Blue	S
Green	G	White	W
Amber	Α		



*yellow marking strip standard on all RU relays.

Ratings

Coil Ratings

Pote	ed Voltage	Voltage Code	Code Coil Tape Rated Current ±15% at 20°C	Rated Current ±15%	Coil Resistance	Inrush	Inductance	
nati	eu voitage	Vollage Code		±10% at 20°C	Current	Energizing	De-Energizing	
	24V	A24	white	37.5mA	164 Ω	60mA	1.8H	0.96H
AC	110-120V	A110	dark blue	8.4mA	4,550 Ω	14mA	36H	22H
	220-240V	A220	red	4.2mA	18,230Ω	7mA	144H	87H
	12V	D12	yellow*	83.3mA	160 Ω			
DC	24V	D24	green	41.7mA	605 Ω	N/A		
	110V	D110	yellow*	9.1mA	12, 100 Ω			



*Voltage printed in black.

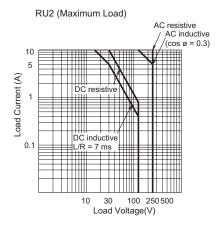
Contact Ratings (Standard)

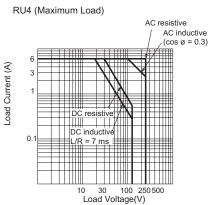
Contact natings (Standard)						
Voltage		Resistive	Inductive			
30V DC	DPDT	10A	5A			
300 00	4PDT	6A	3A			
110V DC	DPDT	0.6A	0.3A			
TIUV DC	4PDT	0.4A	0.2A			
120V AC	DPDT	10A	5A			
IZUV AU	4PDT	6A	3A			
240V AC	DPDT	10A	5A			
240 V AG	4PDT	6A	3A			

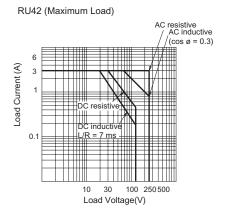
Contact Ratings (Bifurcated)

Voltage		Resistive	Inductive	
30V DC	4PDT	3A	1.5A	
110V DC	4PDT	_	_	
120V AC	4PDT	3A	0.8A	
250V AC	4PDT	3A	0.8A	

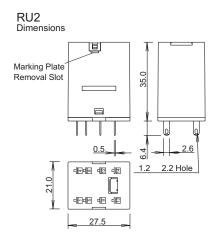
Maximum Switching Capacity





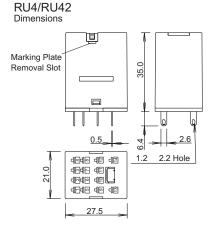


Dimensions & Mounting Hole Layouts



IDEC Relays

Marking plate removal slot is provided only on one side. Insert a flat screwdriver into the slot to remove the marking plate.



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Dimensions are in mm.