◆Ratings

Model	Rated voltage	Non–inductive load				Inductive load			
		Resistive load		Lamp load		Inductive load		Motor load	
		NC	NO	NC	NO	NC	NO	NC	NO
RV–21	250 VAC	21A		3A		12A		4A	
	8 VDC	21A		5A		12A		7A	
	30 VDC	14A		5A		12A		5A	
	125 VDC	0.6A		0.1A		0.6A		0.1A	
	250 VDC	0.3A		0.05A		0.3A		0.05A	
RV–16	250 VAC	16A		2A		10A		3A	
	8 VDC	16A		4A		10A		6A	
	30 VDC	10A		4A		10A		4A	
	125 VDC	0.6A		0.1A		0.6A		0.1A	
	250 VDC	0.3A		0.05A		0.3A		0.05A	
RV–11	250 VAC	11A		1.5A		6A		2A	
	8 VDC	11A		3A		6A		3A	
	30 VDC	6A		3A		6A		3A	
	125 VDC	0.6A		0.1A		0.6A		0.1A	
	250 VDC	0.3A		0.05A		0.3A		0.05A	
RV–6	250 VAC	6A		3A		4A		––	
	8 VDC	6A		3A		4A		––	
	30 VDC	6A		3A		4A			
	125 VDC	0.4A		0.1A		0.4A			
	250 VDC	0.3A		0.05A		0.2A			

Note: 1. The above current values are the normal current values of models with a contact gap of 1mm (gap F), which vary with the normal current values of models with a contact gap of 0.5mm (gap G).
2. Inductive load has a power factor of 0.4 min. (AC) and a time constant of 7ms max.(DC).
3. Lamp load has an inrush current of 10 times the steady–state current.
4. Motor load has an current of 6 times the steady–state current.
5. The ratings values apply under the following test conditions:
Ambient temperature: 20 ± 2℃ Ambient humidity: 65 ± 5% RH Operation frequency: 30 operations/min

◆Characteristics

Operating speed	0.1mm to 1 m/s (pin plunger type)
Operating frequency	Mechanical: 600 operations/min max. Electrical: 30 operations/min max.
Insulation resistance	100MΩ min. (at 500VDC)
Contact resistance (initial values)	RV–21: 50mΩ max. RV–16, RV–11, RV–6: 30mΩ max.
Dielectric strength	1,000 VAC, 50/60 Hz for 1 min between terminals of same polarity
	2,000 VAC, 50/60 Hz for 1 min between current–carrying metal parts and ground, and between each terminal and non–current–carrying metal parts
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5mm double amplitude
Shock resistance	Destruction: 400 m/s^2 (approx. 40G) max. Malfunction: 100 m/s^2 (approx. 10G) max.
Durability	Mechanical: 20,000,000 operations min. Electrical: RV–21: 50,000 operations min. RV–16: 100,000 operations min. RV–11: 200,000 operations min. RV–6: 300,000 operations min.
Degree of protection	IEC IP40
Degree of protection against electric shock	Class I
Proof tracking index (PTI)	250
Ambient operating temperature	RV–21: –25℃~+85℃(with no icing or condensation) RV–16, RV–11, RV–6: –25℃~+105℃(with no icing or condensation)
Ambient operating humidity	85% RH max. (for 5℃ to 35℃)
Weight	Approx. 6.2g (pin plunger type)