

# **RR2KP Series Latch Relays**

# **Self-maintained Latch Relays DPDT** — 10A contact capacity

The RR2KP series latch relays have a self-holding function using permanent magnets in the magnetic circuit. Applying a voltage on the set (or reset) coil operates the armature and retains the contacts in that position until the opposite coil is energized, hence the latch relays are ideal for memory and flip-flop circuit applications.

- Enhanced self-holding functions, and vibration and shock resistance.
- The self-holding mechanism is not subject to wear unlike mechanical latch relays.
- Recognized by UL and certified by CSA







## **Part Number Selection**

		Part Number	
Contact	Model	Pin Terminal	Coil Voltage Code
DPDT	Basic	RR2KP-U	AC6, AC12, AC24, AC110, AC120, AC220, AC240
West Vines	With Check Button	RR2KP-UC	DC6, DC12, DC24, DC48, DC110

# **Ordering Information**

When ordering, specify the Part No. and coil voltage code:

(example) RR2KP-U

AC120

Part No. -Coil Voltage Code

#### **Sockets**

Relay	DIN Rail Mount	Finger-safe DIN Rail Mount	Panel Mount	
RR2KP	SR3P-05 SR3P-06	SR3P-05C	SR3P-51	
			(4.3)	



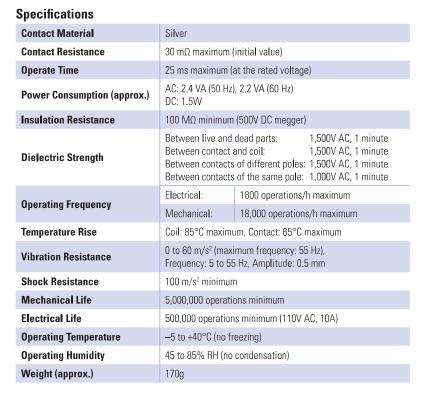
Springs & Clips (optional)				
Part Number	Description			
SR3P-06F3	use with SR3P-05 SR3P-05C SR3P-06			
SR3P-511F3	use with SR3P-51			





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#### **Coil Ratings**

Rated Voltage (V)		Rated Current (mA) ±15% at 20°C		Coil Resistance (Ω)	Operation Characteristics (values at 20°C)		
		50Hz 60Hz		±10% at 20°C	Maximum Continuous Applied Voltage	Set and Reset Voltage	
AC (50/60Hz)	6	467	429	3.5		80% maximum	
	12	200	184	23.8			
	24	100	92	95			
	110	23	21	1,900	110%		
	120	24	22	2,200			
	220	10.9	10	7,740			
	240	11.5	10.6	9,190			
DC	6	240		25			
	12	120		100			
	24	60		400	110%	80% maximum	
	48	3	30			maximum	
	110	13.8		7,960			

## **Contact Ratings**

Maximum Contact Capacity						
Switching	Continuous Current	Allowable Contact Power		Rated Load		
Voltage		Resistive Load	Inductive Load	Voltage (V)	Res. Load	Ind. Load
	10A	1650VA AC 300W DC	1100VA AC 225W DC	110 AC	10A	7.5A
250V AC				220 AC	7.5A	5A
125V DC				30 DC	10A	5A
				100V DC	0.5A	0.3A

A

Note: Inductive load for the rated load — cos ø = 0.3, L/R = 7 ms

## **UL Ratings**

Voltage	Resistive	General use	Motor Load
240V AC	10A	7A	1/3 HP
120V AC	10A	7.5A	1/4 HP
30V DC	10A	7A	_

# **CSA** Ratings

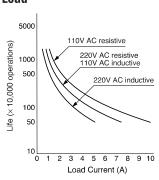
Voltage	Resistive	General use	Motor Load
240V AC	10A	7A	1/3 HP
120V AC	10A	7.5A	1/4 HP
100V DC		0.5A	_
30V DC	10A	7.5A	_

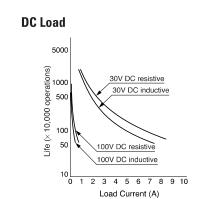


#### **Socket Specifications**

	Relays	Terminal	Electrical Rating	Wire Size	Torque
DIN D. II.A	SR3P-05	M3 screw with captive wire clamp	300V, 10A	2–#12AWG	9 - 11.5 in • lbs
DIN Rail Mount Sockets	SR3P-05C	M3 screw with captive wire clamp, fingersafe	300V, 10A	2–#12AWG	9 - 11.5 in <b>• l</b> bs
Cookoto	SR3P-06	M3 screw with captive wire clamp	300V, 10A	2–#12AWG	9 - 11.5 in • lbs
Through Panel Mount Socket	SR3P-51	Solder	300V, 10A	_	_

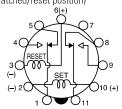
# Electrical Life Curve AC Load



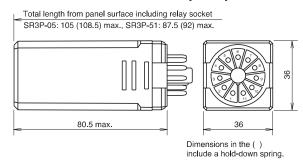


### Internal Connection (View from Bottom)

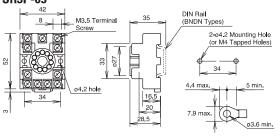
(Shown in unlatched/reset position)

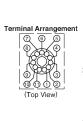


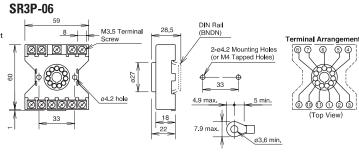
# **Dimensions (mm)**



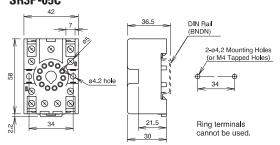
# Standard DIN Rail Mount Sockets SR3P-05

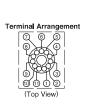




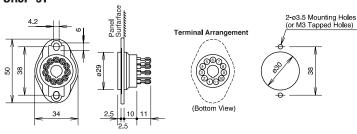


# Finger-safe DIN Rail Mount Sockets SR3P-05C





# Through Panel Mount Socket SR3P-51



778