

# Specification Sheet

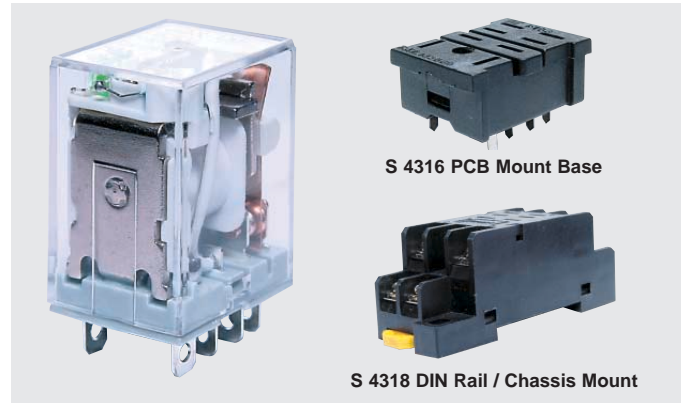
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**DESCRIPTION:** 10A DPDT CRADLE RELAYS & BASES

**PART NUMBER:** S 4310, S 4312, S 4314

**SPECIFICATIONS:**

**Max voltage:**.....300V AC, 30V DC  
**Max current:**.....10A (total)  
**Max VA (Watts):**.....2800VA (280W)  
**Contact material:**.....Silver Cadmium Oxide  
**Insulation resistance:**.....>1000MΩ @ 500V DC  
**Initial contact resistance:**.....<50mΩ  
**Shock resistance:**.....100m/s<sup>2</sup> 11ms  
**Vibration resistance:**.....10~55Hz double amplitude, 1.5mm  
**Dielectric strength (for 1 min):**  
 50Hz 1000V AC between open contacts  
 50Hz 1500V AC between coil & contact  
**Coil Power AC (DC):**.....1.2VA (0.9W)  
**Electrical life:**.....100,000 operations  
**Mechanical life:**.....20 million operations  
**Solderability:**.....230°C  
**Ambient temperature:**.....-40 to 70°C  
**Relative humidity:**.....85% (at 30°C)  
**Weight:**......37g



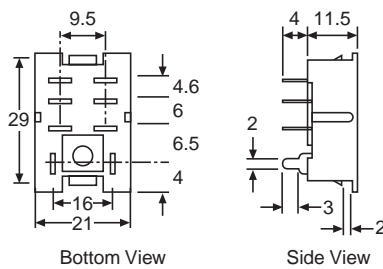
**FEATURES:**

- Small size, light weight, heavy reverse power.
- Fits into S 4316 or S 4318 cradle relay bases.
- Firm structure, strong anti-shock and anti-vibration qualities.
- Suitable for automatic control, telecommunications, household appliances and industrial machinery equipment.

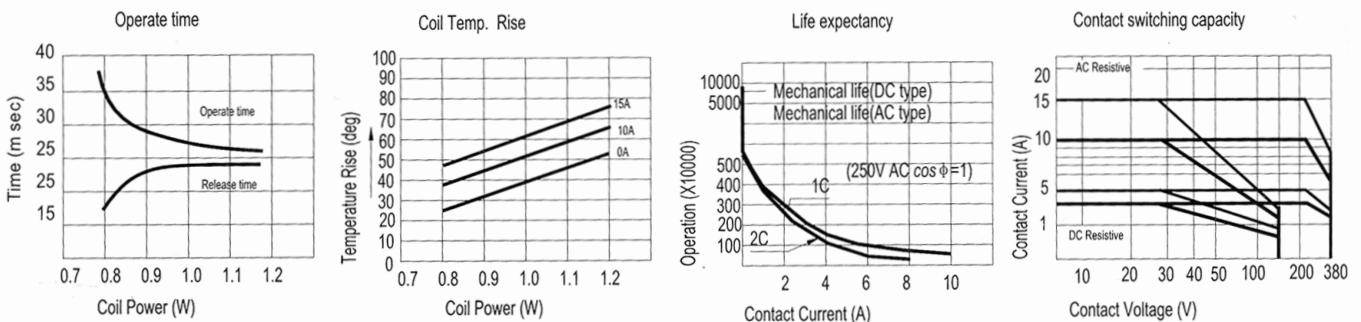
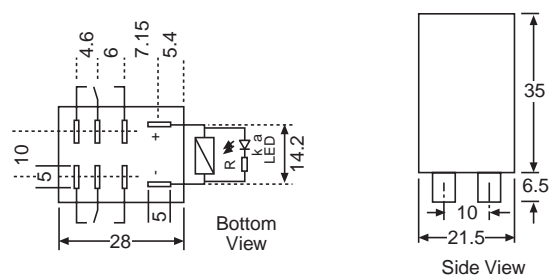
	Coil Resistance	Max Coil Power	Pick Up Voltage (80% of rated V)	Release Voltage (30% of rated V)	Operate Time (ms)	Release Time (ms)
<b>S 4310</b> 12VDC:	160Ω	900mW	9.6V	1.2V	<25	<25
<b>S 4312</b> 24VDC:	640Ω	900mW	19.2V	2.4V	<25	<25
<b>S 4314</b> 240VAC:	19000Ω	1.2W	192V	72V	-	-

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay  
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

**S 4316: PCB MOUNT BASE**



**S 4310, S 4312, S 4312: CRADLE RELAY**



**APPROVALS:**

E158859



R 2133923



CH0050404-2000

