

Specifications

Part Number	92S7	92S11
Contact Characteristics		
Contact Configuration	DPST-NO	DPDT
Contact Material	Silver alloy	
Thermal (Carrying) Current	30 A	30 A (NO); 3 A (NC)
Maximum Switching Voltage (Conforming to IEC)	250 Vac / 28 Vdc	
Maximum Switching Voltage (Conforming to UL)	300 Vac / 28 Vdc	
Current Ratings at Voltage (Conforming to IEC)	(NO) 30 A at 250 Vac; 25 A at 28 Vdc, 100,000 cycles	(NO) 30 A at 250 Vac; 25 A at 28 Vdc, 100,000 cycles (NC) 3 A at 250 Vac; 3 A at 28 Vdc, 100,000 cycles
Current Ratings at Voltage (Conforming to UL)	(NO) General Use: 30 A at 277 Vac, 100,000 cycles Resistive: 20 A at 28 Vdc, 100,000 cycles Motor: 1.0 hp at 120 Vac; 3.0 hp at 240 Vac, 100,000 cycles LRA/FLA : 96 A / 22 A @ 240 Vac (AC coil), 30,000 cycles; 110 A / 25.3 A @ 240 Vac (DC coil), 30,000 cycles Pilot Duty: 720 VA / A300, 6,000 cycles Short Circuit: 5000 A(rms) @ 240 Vac Tungsten: 10 A at 120 Vac 50/60 Hz, 25,000 cycles; 6 A at 250 Vac 50/60 Hz, 25,000 cycles	(NO) General Use: 30 A at 277 Vac, 100,000 cycles Resistive: 20 A at 28 Vdc, 100,000 cycles Motor: 1.0 hp at 120 Vac; 3.0 hp at 240 Vac, 100,000 cycles LRA/FLA : 96 A / 22 A @ 240 Vac (AC coil), 30,000 cycles; 110 A / 25.3 A @ 240 Vac (DC coil), 30,000 cycles Pilot Duty: 720 VA / A300, 6,000 cycles Short Circuit: 5000 A(rms) @ 240 Vac Tungsten: 10 A at 120 Vac 50/60 Hz, 25,000 cycles; 6 A at 250 Vac 50/60 Hz, 25,000 cycles (NC) Resistive: 3 A at 277 Vac 6,000 cycles; 3 A at 28 Vdc 100,000 cycles
Switching Capacity	Maximum: 7500 VA / 840 W (when mounted with 13 mm gap between 2 relays); 6250 VA / 700 W (when mounted side by side without a gap) Minimum: 170 mW	
Minimum Switching Requirements	10 mA at 17 V	
Coil Characteristics		
Coil Voltage Range ¹	12–240 Vac ² 50/60 Hz; 12–24 Vdc	
Operating Range (% of Nominal)	80%–110%	
Average Consumption	4 VA –20% / +10% (AC); 1.7 W –20% / +10% (DC)	
Drop-out Voltage Threshold	15% minimum (AC); 10% minimum (DC)	
General Characteristics		
Electrical Life at Rated Load	Resistive load: 100,000 cycles, unless otherwise specified under “Current Ratings at Voltage” Inductive load: See load curves on page 25.	
Mechanical Life at No Load (Unpowered)	5,000,000 operations	
Operating Time (Response Time) at Nominal Coil Voltage	25 ms maximum	
Rated Impulse Withstand	4000 V (1.2 μs / 50 μs)	
Dielectric Strength	Between coil and contact: 4000 Vac Between poles: 2000 Vac Between contacts: 1500 Vac	
Operating Temperature Range	–40 to +55 °C (–40 to +131 °F)	
Storage Temperature Range	–40 to +85 °C (–40 to +185 °F)	
Vibration Resistance	± 1 mm (10–35 Hz) and 3 g-n (35–150 Hz)	
Shock Resistance	10 g-n (in operation) / 30 g-n (not in operation)	
Weight (Average)	0.082 kg (0.181 oz)	
Conformity to Standards	IEC/EN 61810-1, UL 508, CSA C22-2 n°14	
Agency Certifications	UL Listed (E164862), CSA (225619), CE (per IEC 60947-1), RoHS	

Note: Actual product performance may vary depending on application and environmental conditions.

¹ For available standard coil voltages, refer to the standard part number table on page 23.

² All AC coils are rectified.