

Description

Magnecraft™ Power Relays

92

DPST-NO, 30 A;

DPDT, 30 A (NO) / 3 A (NC)



92S7A22D

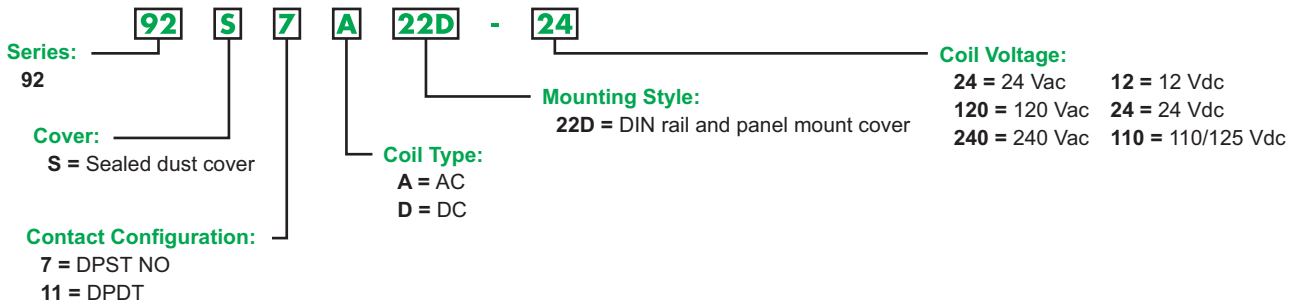
Description

The 92 series power relays offer a small package size and features Class F insulation for a maximum coil temperature of 155 °C (311 °F). These power relays meet UL873, UL508, & UL1950 spacing and are directly DIN or panel mountable.

Feature	Benefit
Standard Class F insulation	Allows for maximum coil temperature of 155 °C (311 °F) which is ideal for high temperature applications
DIN and panel mount cover	Mounts directly onto DIN rail or panel and provides flexibility to accommodate last minute design changes
Sealed construction	Suitable for washing to remove flux residues

Rated Contact Current	Contact Configuration	Coil Voltage	Coil Resistance (Ω)	Standard Part Number
30 A	DPST NO	24 Vac	250	92S7A22D 24A
		120 Vac	1600	92S7A22D 120A
		240 Vac	6500	92S7A22D 240A
		12 Vdc	86	92S7D22D 12D
		24 Vdc	350	92S7D22D 24D
		110 Vdc	7255	92S7D22D 110D
30 A (NO) / 3 A (NC)	DPDT	24 Vac	250	92S11A22D 24A
		120 Vac	1600	92S11A22D 120A
		240 Vac	6500	92S11A22D 240A
		12 Vdc	86	92S11D22D 12D
		24 Vdc	350	92S11D22D 24D

Part Number Explanation



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Specifications (UL 508)

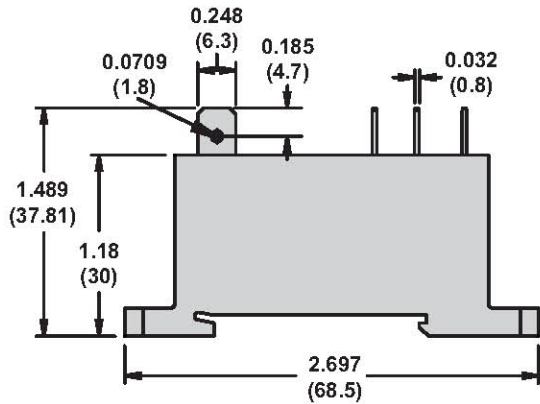
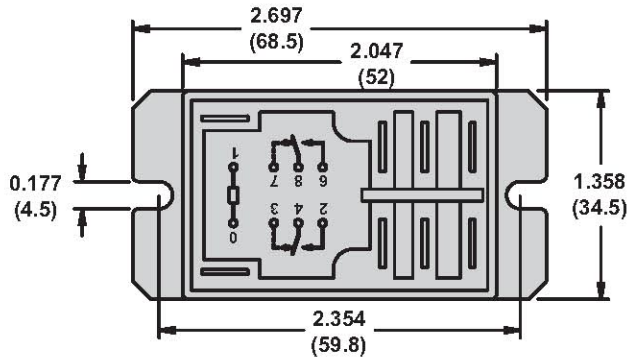
Part Number	92S7	92S11
Contact Characteristics		
Contact Configuration	DPST-NO	DPDT
Contact Material	Silver Alloy	
Thermal (Carrying) Current	30 A	30 A (NO); 3 A (NC)
Maximum Switching Voltage	300 V	
Current Ratings at Voltage	Resistive: 30 A at 277 Vac 50/60 Hz; 20 A at 28 Vdc; Motor: 1 hp at 120 Vac 50/60 Hz, 3 hp at 240 Vac 50/60 Hz; FLA/LRA: 22/96 A at 240 Vac (NO contacts, AC coil); 25.3/110 A at 240 Vac (NO contacts, DC coil); Tungsten: TV-10 at 120 Vac; Pilot Duty: 720 VA	Resistive: 30 A at 277 Vac 50/60 Hz (NO), 3 A at 277 Vac 50/60 Hz (NC), 20 A at 28 Vdc (NO), 3 A at 28 Vdc (NC); Motor: 1 hp at 120 Vac 50/60 Hz (NO), 3 hp at 240 Vac 50/60 Hz (NO); FLA/LRA: 22/96 A at 240 Vac (NO contacts, AC coil); 25.3/110 A at 240 Vac (NO contacts, DC coil); Tungsten: TV-10 at 120 Vac; Pilot Duty: 720 VA (NO)
Minimum Switching Requirement	500 mA at 12 Vac/Vdc	500 mA at 12 Vac/Vdc (NO); 100 mA at 6 Vac/Vdc (NC)
Coil Characteristics		
Coil Voltage Range ¹	24–240 Vac ² 50/60 Hz; 12–110 Vdc	
Operating Range (% of Nominal)	80%–120% (AC); 75%–120% (DC)	
Average Consumption	4 VA (AC); 1.7 W (DC)	
Drop-out Voltage Threshold	10% minimum (AC/DC)	
General Characteristics		
Electrical Life at Rated Load	100,000 operations	
Mechanical Life at No Load (Unpowered)	5,000,000 operations	
Operate Time at Nominal Coil Voltage	15 ms	
Dielectric Strength	Between coil and contact: 4000 Vac Between poles: 2000 Vac Between contacts: 1500 Vac	
Operating Temperature Range	-40 – +55 °C (-40 – +131 °F)	
Storage Temperature Range	-40 – +85 °C (-40 – +185 °F)	
Vibration Resistance	3 g-n, 10–55 Hz	
Shock Resistance	10 g-n	
Weight (Average)	86 g (3.03 oz)	
Product Certifications	UL (E43641), CSA (168986), CE (per IEC 60947), RoHS	

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

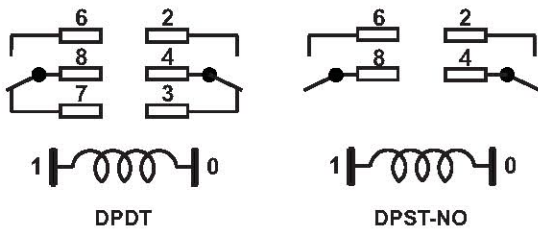
¹ For available standard coil voltages, please refer to the standard part number table on page 23.

² All AC coils are rectified.

Dimensions — inches (millimeters)



Wiring Diagrams



Note: Only necessary terminals are present on single throw styles.