

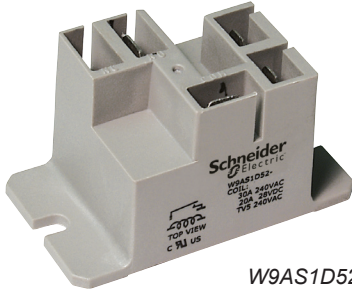
Description

Legacy Power Relays

9A

SPST-NO, 30 A;

SPDT, 30 A (NO) / 15 A (NC)



W9AS1D52

Description

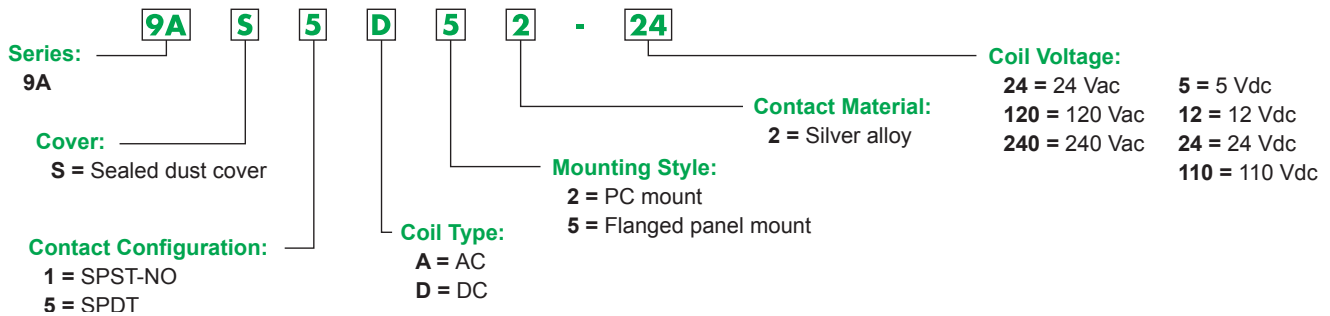
The 9A series power relays offer robust performance in applications such as HVAC, motor controls, and alarm systems.

Feature	Benefit
Standard Class F insulation	Allows for maximum coil temperature of 40 °C (284 °F) which is ideal for high temperature applications
FLA/LRA and hp ratings	Capable of handling motor loads
Ballast load ratings	Suitable for lighting control applications
Small package size	Ideal for small spaces
Standard Quick Connect terminals	Simplifies and expedites installation

Rated Contact Current	Contact Configuration	Coil Voltage	Coil Resistance (Ω)	Standard Part Number
30 A	SPST-NO	24 Vac	500	9AS1A52-24
		120 Vac	3000	9AS1A52-120
		5 Vdc	25	9AS1D52-5
		12 Vdc	144	9AS1D52-12
		24 Vdc	576	9AS1D52-24
30 A (NO); 15 A (NC)	SPDT	24 Vac	500	9AS5A52-24
		120 Vac	3000	9AS5A52-120
		240 Vac	12100	9AS5A52-240
		5 Vdc	25	9AS5D52-5
		12 Vdc	144	9AS5D52-12
		24 Vdc	576	9AS5D52-24

Note: PC mounting versions available. Call (847) 441-2540 for more information.

Part Number Explanation



Specifications (UL 508)

Part Number	9AS1	9AS5
Contact Characteristics		
Contact Configuration	SPST-NO	SPDT
Contact Material	Silver alloy	
Thermal (Carrying) Current	30 A	30 A (NO); 15 A (NC)
Maximum Switching Voltage	300 V	
Current Ratings at Voltage	Resistive: 30 A at 240 Vac 50/60 Hz; 30 A at 28 Vdc, 100,000 cycles Motor: 1 hp at 125 Vac 50/60 Hz; 2 hp at 240 Vac 50/60 Hz, 1,000 cycles FLA/LRA: 22/98 A (NO) at 120 Vac 50/60 Hz, 30,000 cycles; 30/80 A (NO) at 240 Vac 50/60 Hz, 30,000 cycles Ballast: 10 A at 277 Vac, 6,000 cycles Pilot Duty: 470 VA, 6,000 cycles	Resistive: 30 A at 240 Vac 50/60 Hz (NO); 15 A at 240 Vac 50/60 Hz (NC); 30 A at 28 Vdc (NO); 10 A at 28 Vdc (NC), 100,000 cycles Motor: 1 hp at 125 Vac 50/60 Hz (NO); 1/4 hp at 125 Vac 50/60 Hz (NC); 2 hp at 240 Vac 50/60 Hz (NO); 1/2 hp at 240 Vac 50/60 Hz (NC), 1,000 cycles FLA/LRA: 22/98 A (NO) at 120 Vac 50/60 Hz, 30,000 cycles; 30/80 A (NO) at 240 Vac 50/60 Hz, 30,000 cycles; 12/30 A (NC) at 240 Vac 50/60 Hz, 30,000 cycles Ballast: 10 A at 277 Vac (NO); 3 A at 277 Vac (NC), 6,000 cycles Pilot Duty: 470 VA (NO), 275 VA (NC), 6,000 cycles
Minimum Switching Requirement	100 mA at 12 Vac, 5 Vdc	
Coil Characteristics		
Coil Voltage Range ¹	24–240 Vac 50/60 Hz; 5–24 Vdc ¹	
Operating Range (% of Nominal)	80%–120% (AC); 75%–120% (DC)	
Average Consumption	2.8 VA (AC); 1 W (DC)	
Drop-out Voltage Threshold	10% (AC/DC)	
General Characteristics		
Electrical Life at Rated Load	100,000 cycles, unless otherwise specified under "Current Ratings at Voltage"	
Mechanical Life at No Load (Unpowered)	10,000,000 operations	
Operate Time at Nominal Coil Voltage	15 ms	
Dielectric Strength	Between coil and contact: 2500 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	3 g-n, 10–55 Hz	
Shock Resistance	10 g-n	
Weight (Average)	33 g (1.16 oz)	
Agency Certifications	UL Listed (E43641)	

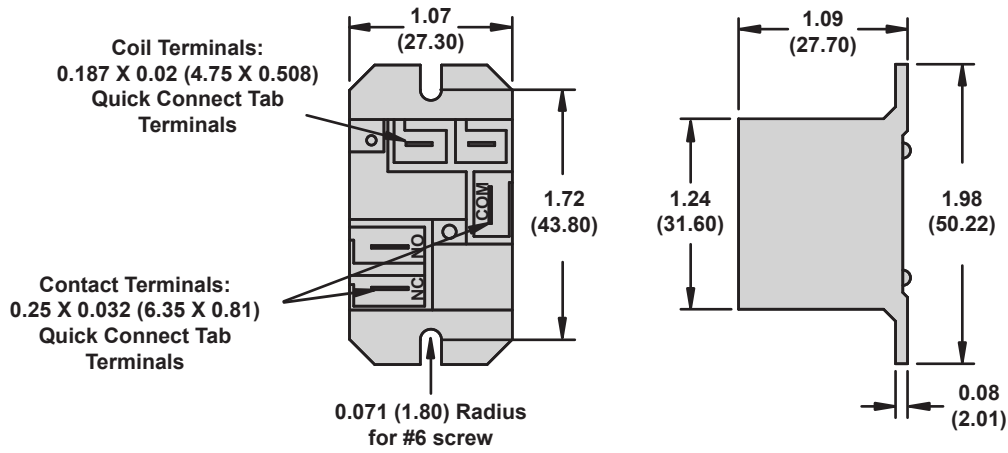
Note: Actual product performance may vary depending on application and environmental conditions.

¹ For available standard coil voltages, refer to the standard part number table on page 26.

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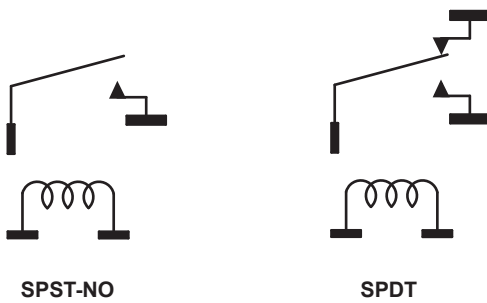
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Dimensions — inches (millimeters)



Wiring Diagrams

All diagrams are shown from top view



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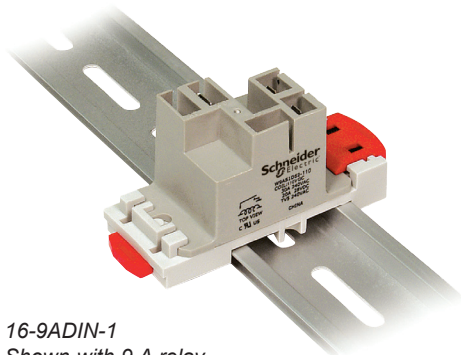
9A

DIN Rail Adapter, 16-9ADIN-1



Description

The 16-9ADIN-1 DIN rail adapter provides the mounting flexibility needed to mount the 9 A power relay in a panel board or control box.



16-9ADIN-1
Shown with 9 A relay

Description	Function	For Use with Relays	Packaging Minimum	Standard Part Number
DIN Rail Adapter	Enables the 9A relay to be mounted directly to a DIN rail	9A series relays	10	16-9ADIN-1

Dimensions — inches (millimeters)

