

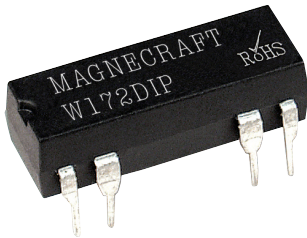
Description

Magnecraft® PCB & Reed Relays

172DIP

SPDT, 0.35 A (AC); 0.25 A (DC)

DPDT, 0.35 A (AC); 0.25 A (DC)



172DIP

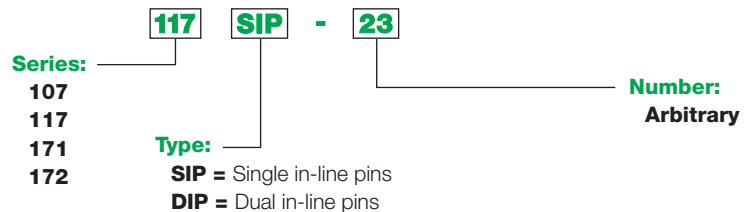
Description

The 172DIP reed relays are uniquely designed in a standard style dual in-line package capable of switching up to 0.35 A (AC); 0.25 A (DC).

Feature	Benefit
Small size	Saves space on a PC board
High shock resistance (50 g-n)	Helps avoid damage in harsh conditions
Industry standard pin spacing	Designed for simple routing on PC board
Can withstand a lead-free solder reflow process	Meets industry standards
RoHS Compliant	Meets industry standards for RoHS compliant reflow processes

Rated Output Current	Contact Configuration	Input Voltage (Vdc)	Coil Resistance (Ω)	Wiring Diagram	Standard Part Number
0.35 A (AC); 0.25 A (DC)	SPDT	5	200	M	172DIP-1
				O	172DIP-31
				P	172DIP-141
		12	1000	M	172DIP-3
				O	172DIP-33
				P	172DIP-145
	SPDT w/clamping diode	5	200	N	172DIP-5
				Q	172DIP-147
				N	172DIP-7
		12	1000	Q	172DIP-149
				N	172DIP-8
				Q	172DIP-150
DPDT	12	266	R	172DIP-19	
DPDT w/clamping diode	5	46	S	172DIP-21	
	12	266	S	172DIP-23	

Part Number Explanation



Specifications (UL 508)

Part Number 172DIP	Specifications
Input Characteristics	
Input Voltage Range	5–24 Vdc
Operating Range (% of Nominal)	80%–110%
Average Power Consumption	0.29 W
Drop-out Voltage Threshold	10%
Output Characteristics	
Contact Configuration	SPDT; DPDT
Contact Materials	Ruthenium
Output Current Load	0.35 A (AC); 0.25 A (DC)
Output Voltage Range	60 Vac; 100 Vdc
Output Load Wattage	5 W
Minimum Switching Requirement	1 mA
General Characteristics	
Electrical Life (Operations at rated current)	200,000 operations
Mechanical Life (Unpowered)	1,000,000,000 operations
Operating Time (Response time)	1 ms
Dielectric Strength (Between coil and contact)	1000 V(rms)
Dielectric Strength (Between poles)	1000 V(rms)
Dielectric Strength (Between contacts)	150 V(rms)
Storage Temperature Range	-40–105 °C (-40–221 °F)
Operating Temperature Range	-40–85 °C (-40–185 °F)
Vibration Resistance (Operational)	20 g-n, 10–2000 Hz
Shock Resistance	50 g-n
Weight	1 g (0.035 oz)
Agency Approvals	RoHS