

Latching - DC

Nominal voltage	Latch coil resistance in Ohms $\pm 10\%$	Unlatch coil resistance in Ohms $\pm 10\%$	Nominal coil power	Coil voltages	Insulation resistance	Operate voltage (latch/unlatch) at 25°C (77°F) (see note)
12 VDC	80	275	1.2 W	5 to 110 VDC	1,000 M Ω min. @ 500 VDC	75% of nominal
24 VDC	330	1,070				
48 VDC	1,290	2,850				
110 VDC	5,125	10,750				

Note: 120% of nominal or greater (one second duration single pulse) unlatch voltage - - above this the relay latches again.
Maximum continuous voltage: 120% of nominal (one coil only).

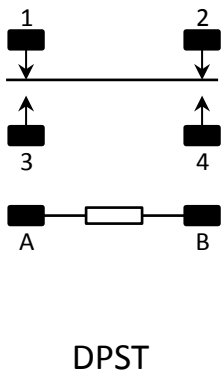
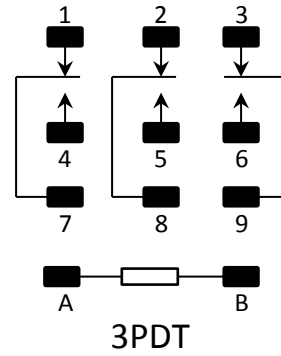
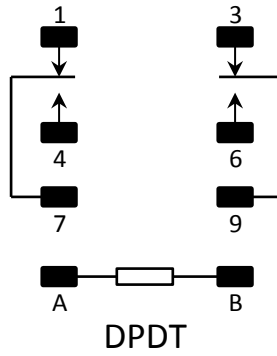
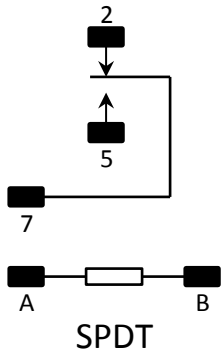
■ Characteristics

Operate time		15 ms nominal; 20 ms maximum	
Release time		6 ms nominal; 10 ms maximum	
Latch time		13 ms nominal with a one second pulse of nominal voltage (See note)	
Unlatch time		13 ms nominal with a one second pulse of nominal unlatch voltage after latching with a one second pulse of nominal latching voltage (See note)	
Operating ambient temperature	AC: 1 & 2 pole	Operating	-45° to 60°C (-49° to 140°F)
		Storage	-65° to 100°C (-85° to 212°F)
	AC: 3 pole	Operating	-45° to 45°C (-49° to 113°F)
		Storage	-65° to 100°C (-85° to 212°F)
DC: 1, 2 & 3 pole	Operating	-45° to 70°C (-49° to 158°F)	
	Storage	-65° to 100°C (-85° to 212°F)	
Insulation material		High quality phenolic	
Duty cycle		Rated for continuous duty operation at 25% overvoltage	
Shock		15 g's 11 \pm 1 ms (non-operating test, no mechanical damage)	
Vibration		0.1" DA or 10 g's, 10 to 55 Hz (operating test, no contact chatter)	
Life expectancy		Electrical at rated load	100,000 operations
		Mechanical	10,000,000 operations
Dielectric strength		Greater than 750 VAC, RMS 60 Hz across open contacts Greater than 2,500 VAC, RMS 60 Hz all other mutually insulated elements	
Terminals		Quick Connect	
Weight		64 g (2.3 oz) open relay 54 g (3.0 oz) enclosed relay	

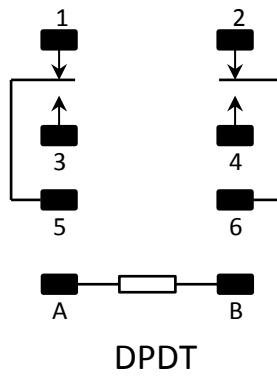
Note: A latch pulse of 50 ms minimum at nominal voltage is recommended to insure positive latching.

Terminal Arrangement

■ Non-Latching

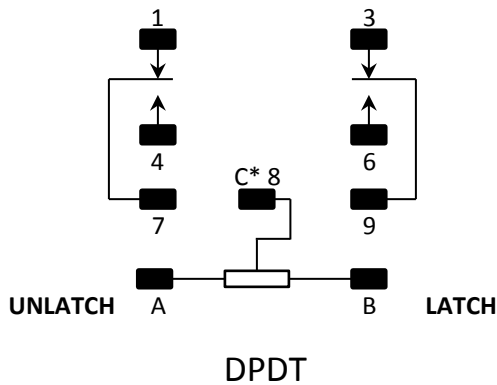


*MJN1Z-E-RP only



*MJN2CE only

■ Latching / Unlatching



* C denoted COMMON connection.