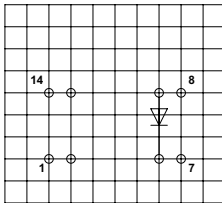


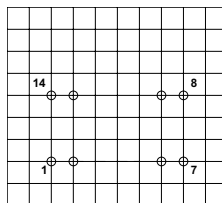
OPTIONS

() Versions with magnetic shield, View from top of component, 2.54 mm [0.10"] pitch grid

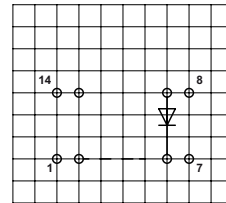
A



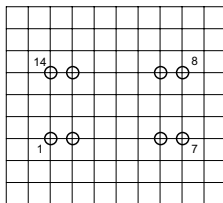
B



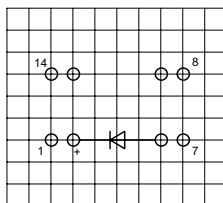
C



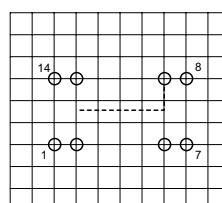
L (M)



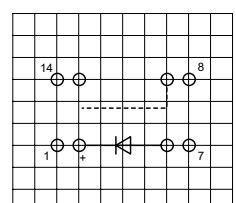
D (Q)



E (R)



F (S)



OPTIONS DEPENDENCE ON CASE SIZES

Contact Form	Package Size	Pin Out	Options												
			L	A	B	C	D	E	F	M	Q	R	S		
1A	Low Profile	10	X	X	X	X									
		11	X						X						
		12	X	X											
		13	X												
	High Profile	10				X									
		11					X		X	X	X	X		X	
		12					X	X	X						
1B	High Profile	19	X				X			X	X				
2A	High Profile	21	X	X			X	X	X	X	X	X	X	X	
1C	Low Profile	51	X												
	High Profile						X	X	X	X	X	X	X	X	

- L = No option
- A = Diode between Pin 6 and Pin 9 (Pin 6 is positive)
- B = Internal shield on Pin 2.
- C = Diode between Pin 6 and Pin 9 (Pin 6 is positive and internal shield on Pin 2)
- D = With Diode between pin 2 and 6 (Pin 2 is positive)
- E = Internal shield on pin 9

- F = With Diode between pin 2 and 6 (Pin 2 is positive) and Internal shield on pin 9
- M = External magnetic shield
- Q = External magnetic shield and diode between pin 2 and 6 (Pin 2 is positive)
- R = External magnetic shield and internal shield on pin 9
- S = External magnetic shield and with diode between pin 2 and 6 (Pin 2 is positive) and internal shield on pin 9

Molded DIP Reed Relays

RELAY DATA

All Data at 20° C	Switch Model → Contact Form →	Switch 72 Form A / B			Switch 75 Form A			Switch 90 Form C			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Contact Ratings	Conditions										
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			10			10			10	W
Switching Voltage	DC or peak AC			200			500			100	V
Switching Current	DC or peak AC			0.5			0.5			0.2	A
Carry Current	DC or peak AC			1.0			1.0			0.5	A
Static Contact Resistance	w/ 0.5 V & 10mA			150			200			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50mA , 1.5 ms after closure			200			200			200	mΩ
Insulation Resistance across Contacts	100 volts applied	10 ¹² 10 ¹²			10 ¹² 10 ¹²			10 ⁹ 10 ¹²			Ω
Breakdown Voltage across Contact	Across contacts Contact to coil	500 1500**			1500* 1500**			150 1500			VDC
Operate Time incl. Bounce	Measured w/ 100 % overdrive			0.5			0.5			2.0	ms
Release Time	Measured w/ no coil suppression			0.1			0.1			2.0	ms
Capacitance	at 10 kHz cross contact		0.2 2.0			0.4 2.0			1.5 0.3		pF
Life Expectancies											
Switching 5 V - 10 mA	DC only & <10 pF stray cap.		1000			500			100		10 ⁶ Cycles
For other load requirements, see the life test section on P. 120.											
Environmental Data											
Shock Resistance	1/2 sinus wave duration 11 ms			50			50			50	g
Vibration Resistance	From 10 - 2000 Hz			20			20			20	g
Ambient Temperature	10°C/ minute max. allowable	-20		70	-20		70	-20		70	°C
Stock Temperature	10°C/ minute max. allowable	-35		95	-35		95	-35		95	°C
Soldering Temperature	5 sec.			260			260			260	°C
* 600 VDC with 5V coil, 1000 VDC with 12V coil. ** Selects Pin out 13 and 425 kVDC (3.0 kVRMS) breakdown voltage contact to coil.											