

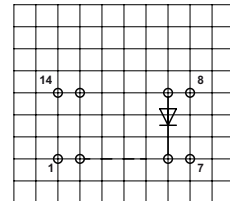
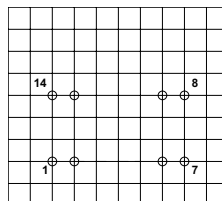
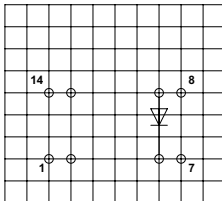
OPTIONS

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

A

B

C

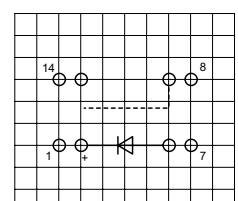
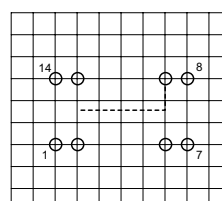
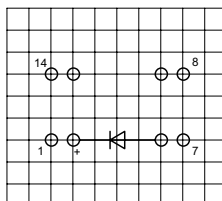
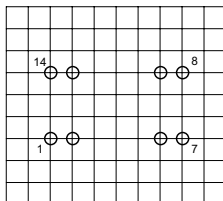


L (M)

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
		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
1C	Low Profile	51	x										
	High Profile						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			
Contact Ratings	Conditions	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Unit
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.											