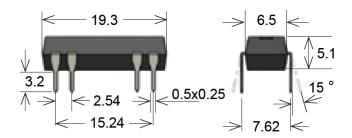


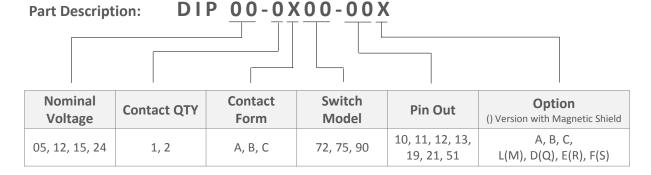
Series Datasheet - DIP Reed Relays

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DIP Series Reed Relays



- Features: Dual In-Line IC Compatible Relay, Available with Dielectric Strength 4.25VDC
- > Applications: General Purpose, Measuring and Testing Devices & Others
- Markets: Telecommunications, Test and Measurement, Security & Others



Customer Options		Unit		
Contact Data	72	75	90	Onit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	10	10	W
Switching Voltage (max.) DC or peak AC	200	500	175	V
Switching Current (max.) DC or peak AC	0.5	0.5	0.5	А
Carry Current (max.) DC or peak AC	1.0	1.0	1.2	А
Contact Resistance (max.) @ 0.5V & 50mA	100	200	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.25	0.6	0.2	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.5	0.5	0.7	ms
Release Time (max.) Measured with no Coil Excitation	0.1	0.1	1.5	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10 ¹⁰	10 ¹⁰	10 ⁹	GOhm
Capacitance (typ.) @ 10kHz across open Switch	0.3	0.4	1.0	pF



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Coil Data				5 11. 17.15				
Contact Form	Switch Model	Coil Voltage (nom.)	Coil Resistance (typ.)	Pull-In Voltage (max.)	Drop-Out Voltage (min.)	Nominal Coil Power (typ.)		
Unit		VDC	Ohm	VDC	VDC	mW		
		05	500 (200)	3.5	0.75	50		
1A, 1B*	72, 75**	12	1,000	8.4	1.8	145		
IA, IB		15	2,000	10.5	2.2	115		
		24	2,000	16.8	3.6	290		
		05	200	3.5	0.75	125		
1C	90	12	500	8.4	1.8	290		
10		15	2,000	10.5	2.2	115		
		24	2,000	16.8	3.6	290		
	72	05	200	3.5	0.75	125		
2A		12	500	8.4	1.8	290		
		15	2,000	10.5	2.2	115		
		24	2,000	16.8	3.6	290		

The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0.4% per °C. *Re-closure of Form B may occur if the max. coil voltage is exceeded. Coil polarity on Form B must be observed. Pin 2 is positive. () For Switch 1A75 **1B-75 only with Coil Voltage 24 available.

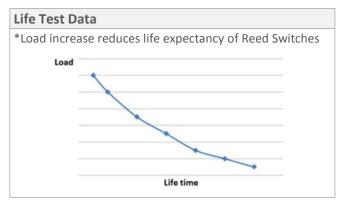
Environmental Data	Unit		
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g	
Vibration Resistance (max.)	20	g	
Operating Temperature	-20 to 70	°C	
Storage Temperature	-35 to 95	°C	
Soldering Temperature (max.) 5 sec. max.	260	°C	

Handling & Assembly Instructions

- Switching inductive and/or capacitive loads create voltage and/or current peaks, which may damage the relay.

 Protective circuits need to be used.
- External magnetic fields needs to be taken into consideration, including a too high packing density. This may influence the relays' electrical characteristics.
- Mechanical shock impacts e.g. dropping the relays may cause immediate or post-installation failure.
- ➤ Wave soldering: maximum 260°/5 seconds.
- Reflow soldering: Recommendations given by the soldering paste manufacturer need to be considered as well as the temperature limits of other components/processes.







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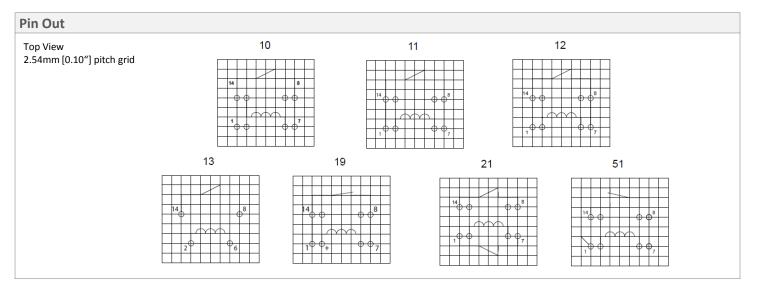
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Glossary Contact Form						
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw					
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw					
Form C	Changeover SPDT = Single Pole Double Throw					

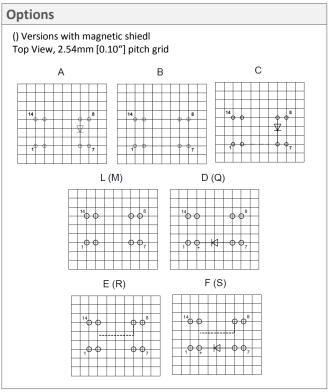








Contact	Package	Pin	Options										
Form	Size	Out	L	Α	В	С	D	Ε	F	M	Q	R	S
1A	Low Profile	10	Χ	Χ	Χ	Χ							
		11	Χ					Χ					
		12	Χ	Χ									
		13	Χ										
	High Profile	10				Χ							
		11					Χ		Χ	Х	Х		Χ
		12					Χ	Χ	Χ				
		13					Χ			Х	Χ		
1B	High Profile	19	Χ				Χ			Х	Χ		
2A	High Profile	21	Χ	Χ			Χ	Χ	Χ	Х	Χ	Χ	Χ
1C	Low Profile	- 51	Χ										
	High Profile						Χ	Χ	Χ	Χ	Χ	Χ	Χ





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