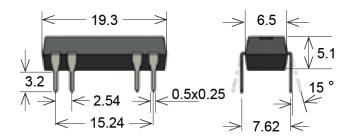


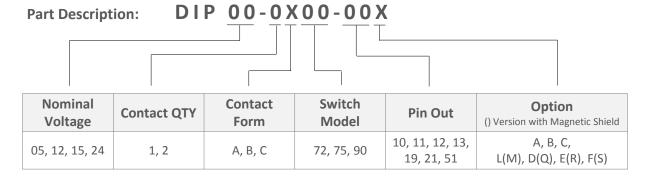
Series Datasheet – DIP Reed Relays

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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	Ullit	
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		0.111/16	0.110	5 11 1 1/ 1:	5 0 1 1 1	N : 10 115	
Contact Form	Switch Model	Coil Voltage (nom.)	Coil Resistance 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	12, 15	15	2,000	10.5	2.2	115	
		24	2,000	16.8	3.6	290	
	90	05	200	3.5	0.75	125	
1C		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.

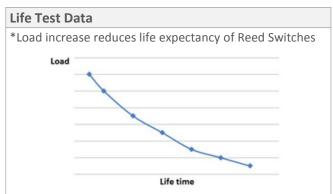
Environmental Data	Unit		
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g	
Vibration Resistance (max.)	20	g	
Operating Temperature	-20 to 70	°C	
Storage Temperature	-35 to 95	°C	
Soldering Temperature (max.) 5 sec. max.	260	°C	

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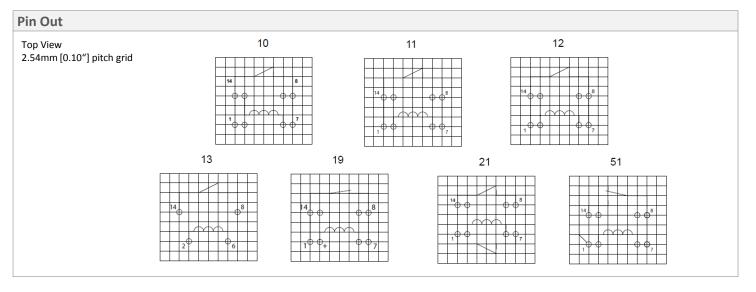
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Glossary Contact Form						
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw					
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw					
Form C	Changeover SPDT = Single Pole Double Throw					

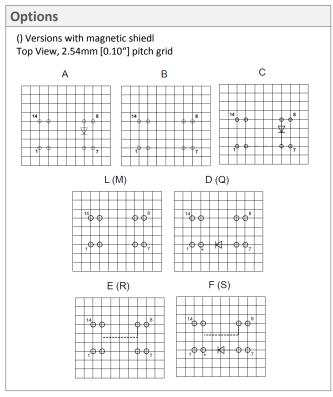








Contact	Package	Pin	Options										
Form	Size	Out	L	Α	В	С	D	Ε	F	М	Q	R	S
1A	Low Profile	10	Χ	Χ	Χ	Χ							
		11	Χ					Χ					
		12	Χ	Χ									
		13	Χ										
	High Profile	10				Χ							
		11					Χ		Χ	Χ	Х		Χ
		12					Χ	Χ	Χ				
		13					Χ			Х	Χ		
1B	High Profile	19	Χ				Χ			Х	Χ		
2A	High Profile	21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





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