

Custom Engineered Solutions for Tomorrow

# A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

### Series Datasheet – LI Reed Relays

### www.standexmeder.com

Coil Data		Coil Voltage	Coil Resistance	Pull-In Voltage	Drop-Out Voltage	Nominal Coil	
Contact Form	Switch Model	(nom.)	(typ.)	(max.)	(min.)	Power (typ.)	
Unit		VDC	Ohm	VDC	VDC	mW	
1A	85	05	200	3.5	0.75	125	
		12	680	8.4	1.4	211	
		24	2,000	16.8	3.6	288	

The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0.4% per  $^\circ \text{C}.$ 

Relay Data	Unit	
Dielectric Strength Coil/Contact (min.) according to EN60255-5	7	kVDC
Insulation Resistance Coil/Contact (typ.) Rh<45%, 200V Test Voltage	10 <sup>13</sup>	Ohm
Capacitance Coil/Contact (typ.) @ 10 kHz	1.2	рF
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
Washability	Fully Sealed	







#### 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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