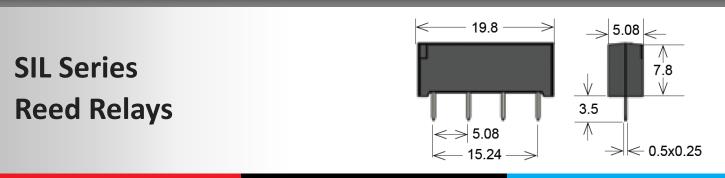


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- Features: Dual In-Line IC Compatible Relay, Available with Dielectric Strength 4.25VDC
- > Applications: General Purpose, Measuring and Testing Devices & Others
- Markets: Telecommunications, Test and Measurement, Security & Others

Part Description: SIL 00 - 0X 00 - 00X					
Nominal Voltage	Contact QTY	Contact Form	Switch Model	Pin Out	Option
03, 05, 12, 15, 24	1	А, В, С	31, 72, 75, 90	71, 72, 73, 74,	L, M, D, Q (HR = High Resistance Version)

Customer Options		Switch Model			Linit	
Contact Data		72	75 90		Unit	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	50	10	10	10	W	
Switching Voltage (max.) DC or peak AC	500	200	500	175	V	
Switching Current (max.) DC or peak AC	2	0.5	0.5	0.5	А	
Carry Current (max.) DC or peak AC	2	1.0	1.0	1.2	А	
Contact Resistance (max.) @ 0.5V & 50mA	80	100	200	150	mOhm	
Breakdown Voltage (min.) According to EN60255-5	2,1	0.25	0.6	0.2	kVDC	
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	1,2	0.5	0.5	0.7	ms	
Release Time (max.) Measured with no Coil Excitation	1	0.1	0.1	1.5	ms	
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	1010	1010	1010	10 <sup>9</sup>	GOhm	
Capacitance (typ.) @ 10kHz across open Switch	0,3	0.3	0.4	1.0	pF	





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

# Series Datasheet – SIL Reed Relays

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Coil Data		Coil Voltage	Coil Resistance	Pull-In Voltage	Drop-Out Voltage	Nominal Coil Power
Contact Form	Switch Model	(nom.)	(typ.)	(max.)	(min.)	(typ.)
Uı	nit	VDC	Ohm	VDC	VDC	mW
1A	31	05	80	3.5	0.75	312
		12	500	8.4	1.8	288
	72, 75	03*	500	2.1	0.45	18
		05	500 (200)	3.5	0.75	50 (125)
		12	1,000	8.4	1.8	145
		15	2,000	10.5	2.2	110
		24	2,000	16.8	3.6	290
	72	05 HR	1,000	3.5	0.75	25
		12 HR	2,000	8.4	1.8	70
1B, 1C**	90	05	200	3.5	0.75	125
		12	1,000	8.4	1.8	145
The Pull-In	/ Dron-Out V	oltage and Coil Resistance w	ill change at rate of 0.4% per	°C * Coil Voltage 03 only a	wailable with Switch Model 7	2 **Contact Form 1C90

The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0.4% per °C. \* Coil Voltage 03 only available with Switch Model 72. \*\*Contact Form 1C90 only available with Coil Voltage 05 () Data in () are valid for Switch Models 75 and 84.

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

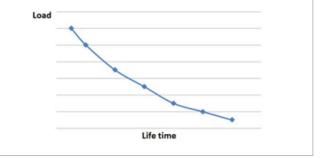
#### Handling & Assembly Instructions

- 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.



## Life Test Data

\*Load increase reduces life expectancy of Reed Switches







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