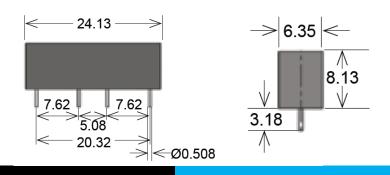


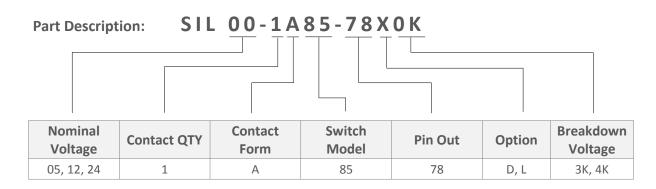
Series Datasheet – SIL HV Reed Relays

www.standexmeder.com

SIL HV Series Reed Relays



- Features: Small size High Voltage Relay, High Insulation Voltage up to 4 KVDC
- Applications: Portable Test and Medical Equipment, Defibrillators, Cable and In-Circuit Tester & Others
- Markets: Medical, Test and Measurement & Others



Customer Options	Switch Model	Unit
Contact Data	85	Onit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	100	W
Switching Voltage (max.) DC or peak AC	1,000	V
Switching Current (max.) DC or peak AC	1.0	А
Carry Current (max.) DC or peak AC	2.5	А
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	2/3/4	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	1.1	ms
Release Time (max.) Measured with no Coil Excitation	0.1	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10 ¹¹	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.5	pF



USA: +1.866.782.6339 Europe: +49.7731.8399.0 Asia: +86.21.37820625 | salesusa@standexmeder.com | info@standexmeder.com | salesasia@standexmeder.com



Series Datasheet – SIL HV Reed Relays

www.standexmeder.com

Coil Data		Coil Voltage	Coil Resistance	Pull-In Voltage	Drop-Out Voltage	Nominal Coil Power
Contact Form	Switch Model	(nom.)	(typ.)	(max.)	(min.)	(typ.)
Ur	nit	VDC	Ohm	VDC	VDC	mW
1A	85 3k	05	180	3.75	0.5	139
		12	500	8.4	1.8	288
	85 4k	05	140	3.75	0.5	179
		12	500	8.4	1.8	288
The Pull-In / Drop-Out Voltage and Coil Resistance will change at rate of 0.4% per °C.						

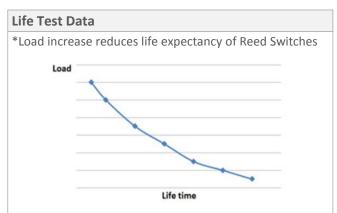
Environmental Data	Unit	
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 70	°C
Storage Temperature	-35 to 95	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

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.

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			











USA: +1.866.782.6339 Europe: +49.7731.8399.0 Asia: +86.21.37820625



Series Datasheet – SIL HV Reed Relays

www.standexmeder.com

