

GORDOS

REED RELAYS

83 SERIES MOLDED DIP THRU-HOLE AND SURFACE MOUNT DRY REED RELAYS

Nominal Coil Voltage DC	5	12	24
Must Operate Voltage DC	3.8	9.0	18.0
Must Release Voltage DC	0.5	1.2	2.4
Maximum Voltage DC (3)	10	20	35

Contact Arrangement		1 Form-A		(3) Form-B	Form-C	
Model Type		831A	832A	831B	831C	835C 836C
Max. Switching DC ⁽¹⁾	Watts	10		10		3
	Volts	200		200		30
Max. Current DC (amps)	Switch	0.5		0.5		0.2
	Carry	1.5		1.5		0.5
Max. Initial Contact Resistance (ohms) ⁽¹⁾		0.200		0.200		0.200
Min. Breakdown Voltage DC	Across Contacts	250		250		200
	Contact to Coil	750		750		750
Capacitance (typical) pF	Across Contacts	1.0		—		1.5
	Contact to Coil	2.0		3.8		2.0
Insulation Resistance (typical ohms)		10 ¹¹		10 ¹⁰		10 ⁹
Operate Time (typical mSec) Including Bounce Except Form-B		0.5		0.5		1.0
Release Time (typical mSec) Diodes Suppressed		0.5		0.5		1.5 includes Bounce on N.C. Pole

REED RELAY SELECTION CHART SERIES 83 DIP

Shading denotes shortest lead time items.

Contact Arrangement	Nominal Coil Voltage (VDC)	Coil Resistance (ohms) ± 10% @ 25° C	Suppression Diode	Catalog Number			Schematics (Top View)
				Thru-Hole	Gull-Lead	J-Lead	
1A SPST N.O.	5	380	No	831A-1 831A-2	831A-1G 831A-2G	831A-1J 831A-2J	
			Yes	831A-3 831A-4	831A-3G 831A-4G	831A-3J 831A-4J	
	12	1000	No	831A-5 831A-6	831A-5G 831A-6G	831A-5J 831A-6J	
			Yes	831A-7 831A-8	831A-7G 831A-8G	831A-7J 831A-8J	
	24	1750	No	831B-3 831B-4	831B-3G 831B-4G	831B-3J 831B-4J	
			Yes	831B-5 831B-6	831B-5G 831B-6G	831B-5J 831B-6J	
1B (See Note 3) SPST N.C.	5	500	No	831B-3 831B-4	831B-3G 831B-4G	831B-3J 831B-4J	
			Yes	831B-5 831B-6	831B-5G 831B-6G	831B-5J 831B-6J	
	12	500	No	831B-7 831B-8	831B-7G 831B-8G	831B-7J 831B-8J	
			Yes	831C-1 831C-2	831C-1G 831C-2G	831C-1J 831C-2J	
	24	1750	No	831C-3 831C-4	831C-3G 831C-4G	831C-3J 831C-4J	
			Yes	831C-5 831C-6	831C-5G 831C-6G	831C-5J 831C-6J	
1C SPDT	5	200	No	835C-1 835C-2	835C-1G 835C-2G	835C-1J 835C-2J	
			Yes	835C-3 835C-4	835C-3G 835C-4G	835C-3J 835C-4J	
	12	500	No	835C-5 835C-6	835C-5G 835C-6G	835C-5J 835C-6J	
			Yes	836C-1 836C-2	836C-1G 836C-2G	836C-1J 836C-2J	
	24	1750	No	836C-3 836C-4	836C-3G 836C-4G	836C-3J 836C-4J	
			Yes	836C-5 836C-6	836C-5G 836C-6G	836C-5J 836C-6J	
2A DPST N.O.	5	200	No	832A-1 832A-2	832A-1G 832A-2G	832A-1J 832A-2J	
			Yes	832A-3 832A-4	832A-3G 832A-4G	832A-3J 832A-4J	
	12	500	No	832A-5 832A-6	832A-5G 832A-6G	832A-5J 832A-6J	
			Yes				

- Notes: All specifications are based on a 25° C ambient temperature.
- Measured with nominal coil voltage applied (except Form B).
 - Higher voltages and/or current may be switched with life expectancy reduced.
 - Excessive voltage (maximum of 6.5 VDC for 5 VDC model, 15 VDC for 12 VDC model, and 28 VDC for 24 model), may cause contact retorsure on Form B models.

Products and specifications subject to change without notice.
Consult factory for application assistance.

REED RELAYS