

Cylindrical Reed Sensors

CONTACT DATA

All Data at 20° C	Contact Form -->	Form A			
Contact Ratings	Conditions	Min.	Typ.	Max.	Units
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			5	W
Switching Voltage	DC or peak AC			175	V
Switching Current	DC or peak AC			0.25	A
Carry Current	DC or peak AC			0.5	A
Static Contact Resistance	w/ 0.5 V & 10 mA			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA, 1.5 ms after closure			300	mΩ
Insulation Resistance across Contacts	100 volts applied	10 ⁹			Ω
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.	200			VDC
Operation Time incl. Bounce	Measured w/ 100 % overdrive			0.4	ms
Release Time	Measured w/ no coil suppression			0.1	ms
Capacitance	at 10 kHz cross contact		0.3		pF
Contact Operation *					
Must Operate Condition	Steady state field	10		25	AT
Must Release Condition	Steady state field	4		22	AT
Environmental Data					
Shock Resistance	1/2 sinus wave duration 11 ms			50	g
Vibration Resistance	From 10 - 2000 Hz			20	g
Ambient Temperature	10°C/ minute max. allowable	-20		70	°C
Stock Temperature	10°C/ minute max. allowable	-20		70	°C
Soldering Temperature	5 sec. dwell			260	°C
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch.					
* These ranges refer to the uncut / unmodified Reed Switches					