



DESCRIPTION

This series uses the standard 16 pin DIP package. Options include 2-Form-C contacts, with 3W switching power. All relays are completely sealed and made of plastic material that conforms to UL94 flammability standard.

FEATURES

- 2-Form-C switching option
- Stable contact resistance over life
- 4000 Vac input-output isolation
- High insulation resistance
- Long life > 100 million operations
- FCC68 compatible

APPLICATIONS

- Industrial
- Signaling
- Metering

APPROVALS

- EN 60950 certified

RATINGS (@ 25°C)

Parameter	Min	Typ	Max	Unit
Switching Voltage			100	Volts
Switching Current			0.2	Amps
Carry Current			0.5	Amps
Switching Frequency			200	Hz
Contact Resistance			200	mΩ

(See detailed specifications for more information.)

DIP 16 SERIES REED RELAYS

LSR

SPECIFICATIONS

All parameters are at 25°C unless otherwise stated.
Operate voltage, release voltage, and coil resistance will change approximately 0.4%/°C as ambient temperature varies.

LSR
2-Form-C
Dry Reed

PARAMETER	CONDITIONS	SYMBOL	MIN	TYP	MAX	UNITS
Contact Ratings						
Switching Voltage	Max DC/PeakAC Resistive	V_L	-	-	100	Volts
Switching Current	Max DC/PeakAC Resistive	I_L	-	-	0.2	Amps
Carry Current	Max DC/PeakAC Resistive	I_C	-	-	0.5	Amps
Contact Rating	Max DC/PeakAC Resistive	-	-	-	3	Watts
Life Expectancy	Signal Level 1.0V/10mA Rated Loads ⁽¹⁾	-	50	100	-	$\times 10^6$ Ops $\times 10^6$ Ops
Static Contact Resistance	50mV, 10mA	CR	-	-	200	m Ω
Contact Material		-	-	Rh	-	-
Relay Specifications						
Insulation Resistance	Between all isolated pins at 100V, 25°C, 40% RH	R	10^9	-	-	Ω
Capacitance	Across Open Contacts	-	-	-	2.3	pf
	Open Contact to Coil	-	-	-	2.4	pf
Dielectric Strength	Between Contacts	-	200	-	-	VDC/Peak AC
	Contact to Coil	I/O	5600	-	-	VDC/Peak AC
Operate Time, including bounce	At Nominal Coil Voltage 10Hz Square Wave	T_{OP}	-	-	1	ms
Release Time	Zener-Diode Suppression	T_{REL}	-	-	1.5	ms
Environmental Ratings						
Storage Temperature		T_A	-30	-	+85	°C
Operating Temperature		T_D	-20	-	+70	°C
Soldering Temperature	Applied to pins, 5 sec. max.	-	-	-	+260	°C
Vibration Resistance (Survival)	10Hz - 500Hz	G	-	-	10	Gs
Shock Resistance (Survival)	11±1ms, 1/2 Sine Wave	S	-	-	30	Gs
Weight		-	-	4	-	grams

⁽¹⁾ Refer to life graphs

